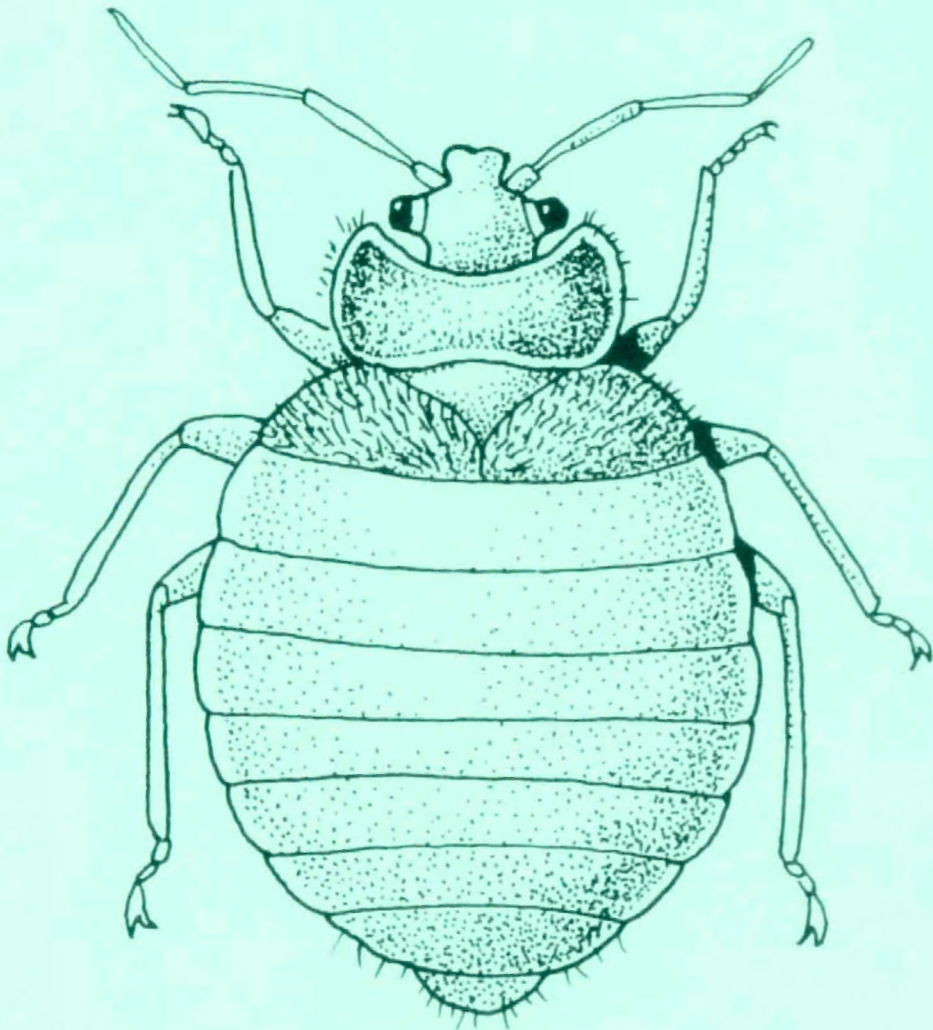


AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA AND SMALL ORDERS

compiled by

James P. O'Connor and Brian Nelson



The Irish Biogeographical Society

OTHER PUBLICATIONS AVAILABLE FROM THE IRISH BIOGEOGRAPHICAL SOCIETY

OCCASIONAL PUBLICATIONS OF THE IRISH BIOGEOGRAPHICAL SOCIETY (A5 FORMAT)

Number 1. *Proceedings of The Postglacial Colonization Conference*. D. P. Sleeman, R. J. Devoy and P. C. Woodman (editors). Published 1986. 88pp. Price €4 (Please add €4 for postage outside Ireland for each publication); **Number 2.** *Biogeography of Ireland: past, present and future*. M. J. Costello and K. S. Kelly (editors). Published 1993. 149pp. Price €15; **Number 3.** *A checklist of Irish aquatic insects*. P. Ashe, J. P. O'Connor and D. A. Murray. Published 1998. 80pp. Price €7; **Number 4.** *A catalogue of the Irish Braconidae (Hymenoptera: Ichneumonoidea)*. J. P. O'Connor, R. Nash and C. van Achterberg. Published 1999. 123pp. Price €6; **Number 5.** *The distribution of the Ephemeroptera in Ireland*. M. Kelly-Quinn and J. J. Bracken. Published 2000. 223pp. Price €12; **Number 6.** *A catalogue of the Irish Chalcidoidea (Hymenoptera)*. J. P. O'Connor, R. Nash and Z. Bouček. Published 2000. 135pp. Price €10; **Number 7.** *A catalogue of the Irish Platygastroidea and Proctotrupoidea (Hymenoptera)*. J. P. O'Connor, R. Nash, D. G. Notton and N. D. M. Fergusson. Published 2004. 110pp. Price €10; **Number 8.** *A catalogue and index of the publications of the Irish Biogeographical Society (1977-2004)*. J. P. O'Connor. Published 2005. 74pp. Price €10; **Number 9.** *Fauna and flora of Atlantic islands. Proceedings of the 5th international symposium on the fauna and flora of the Atlantic islands, Dublin 24 -27 August 2004*. Edited by T. J. Hayden, D. A. Murray and J. P. O'Connor. Published 2006. 213pp. Price €10; **Number 10.** *A catalogue of the Irish Ichneumonidae (Hymenoptera: Ichneumonoidea)*. J. P. O'Connor, R. Nash and M. G. Fitton. Published 2007. 310pp. Price €10.

BULLETIN OF THE IRISH BIOGEOGRAPHICAL SOCIETY (A5 FORMAT)

The Bulletin is sent free to all members. The annual membership fee is €15 or £10. To-date, 35 volumes have been published. Back issues may be purchased for €15 or £10. Discounts are given for large orders.

MACRO SERIES OF THE IRISH BIOGEOGRAPHICAL SOCIETY (A4 FORMAT)

First Supplement to A Bibliography of Irish Entomology. James P. O'Connor, Patrick Ashe and John Walsh. Published in association with The National Museum of Ireland. 2005. 186pp. Price €30 or £25.

An annotated checklist of the Irish butterflies and moths (Lepidoptera). K. G. M. Bond, R. Nash and J. P. O'Connor. Published in association with The National Museum of Ireland. 2006. 177pp. Price €25 or £25.

An annotated checklist of the Irish two-winged flies (Diptera). Peter J. Chandler, James P. O'Connor and Robert Nash. Published in association with The National Museum of Ireland. 2008. 261pp. Price €20.

An annotated checklist of the Irish Hymenoptera. James P. O'Connor, Robert Nash and Gavin Broad. Published in association with The National Museum of Ireland. 2009. 211pp. Price €20.

A world catalogue of Chironomidae (Diptera). Part 1. Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae. Patrick Ashe and James P. O'Connor. Published in association with The National Museum of Ireland. 2009. 445pp. Price €42 plus postage.

Second Supplement to A Bibliography of Irish Entomology. James P. O'Connor. Published by The Irish Biogeographical Society. 2012. 186pp. Price €20 including postage.

PAYMENT

Orders should be sent to The Irish Biogeographical Society c/o Dr J. P. O'Connor, National Museum of Ireland, Kildare Street, Dublin 2, Ireland. Cheques should be made payable to "The Irish Biogeographical Society".

Visit our website: www.irishbiogeographicalsociety.com

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA AND SMALL ORDERS

compiled by

James P. O'Connor

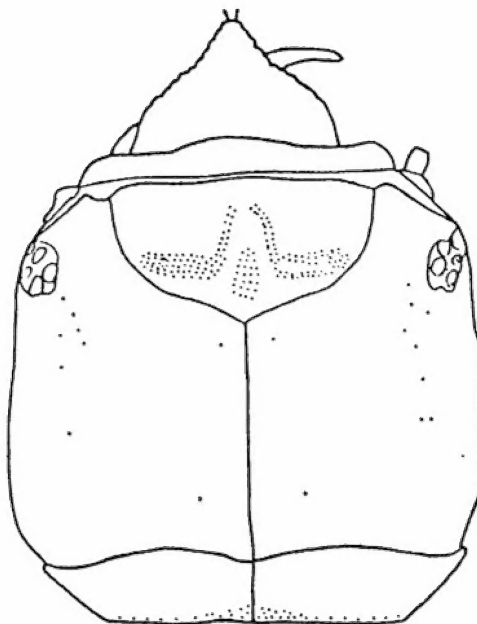
Emeritus Entomologist

National Museum of Ireland, Kildare Street, Dublin 2, Ireland.

and

Brian Nelson

National Parks and Wildlife Service, 7 Ely Place, Dublin 2, Ireland.



Published 2012

by

The Irish Biogeographical Society, Dublin

Published in 2012

by

The Irish Biogeographical Society, Dublin, Ireland

This 2019 on-line reprint contains minor corrections and additions.

ISBN 978-0-9550806-7-8

© James P. O'Connor and Brian Nelson

Cover illustration: the Bed Bug (*Cimex lectularius* Linnaeus)

by Sean Milne from *Irish Indoor Insects*

published by Town House

©J. P. O'Connor and P. Ashe

This book may be obtained from The Irish Biogeographical Society

c/o

Dr J. P. O'Connor, National Museum of Ireland, Kildare Street, Dublin 2,

Ireland

Price €20 including packing and postage

PREFACE

This book deals with a great diversity of insect (*sensu lato*) groups. Those which are readily recognisable include the caddisflies (Trichoptera), cockroaches (Dictyoptera), dragonflies (Odonata), earwigs (Dermaptera), grasshoppers (Orthoptera), greenflies (Hemiptera), mayflies (Ephemeroptera) and shield bugs (Hemiptera) while others such as the proturans (Protura), psyllids (Hemiptera) and thrips (Thysanoptera) will be less familiar. Many of the included species are of economic importance. Altogether, information on 1684 species is included.

Funded by The Irish Biogeographical Society, *An annotated checklist of the Irish Hemiptera and small orders* completes the basic check-listing of the Irish insects. The series consists of five publications, one published by the *Irish Naturalists' Journal*. Three of the other works were published by The Irish Biogeographical Society in association with the National Museum of Ireland. The latter generously provided funding for their printing. On behalf of the Society, I wish therefore to thank Dr Pat Wallace (former Director), Mr Ragnall Ó Floinn (Head of Collections) and Mr Nigel Monaghan (Keeper of Natural History) for their past support.

James P. O'Connor
Editor
The Irish Biogeographical Society
2 May 2012

While preparing this pdf of the original 2012 work, the opportunity has been taken to correct some minor errata, to reorganize the references and add some new ones. Since 2012, major works have appeared on the caddisflies, stoneflies and thrips and these are mentioned.

James P. O'Connor
Editor
6 January 2019

DEDICATION

This volume is dedicated to the memory of Dr Courtenay Neville Smithers (1925-2011) in recognition of his important research work on the Irish Psocoptera, a group which includes the booklice and barklice.



CONTENTS

Introduction.....	1
Terms, abbreviations and contraction.....	1
Acknowledgements.....	2
HEXAPODA : Entognatha	
Collembola [non-insect].....	3
1. Cyphoderidae.....	3
2. Entomobryidae.....	3
3. Isotomidae.....	4
4. Tomoceridae.....	8
5. Neelidae.....	8
6. Hypogastruridae.....	8
7. Brachystomellidae.....	9
8. Neanuridae.....	9
9. Odontellidae.....	11
10. Onychiuridae.....	11
11. Poduridae.....	13
12. Tullbergiidae.....	13
13. Arrhopalitidae.....	14
14. Bourletiellidae.....	14
15. Dicyrtomidae.....	14
16. Katiannidae.....	14
17. Sminthuridae.....	14
18. Sminthurididae.....	15
Diplura [non-insect].....	15
1. Campodeidae.....	15
Protura [non-insect].....	15
1. Acerentomidae.....	15
2. Eosentomidae.....	15
HEXAPODA : Insecta	
Dermaptera	16
1. {Anisolabididae}.....	16
2. Forficulidae.....	16
3. Spongiphoridae.....	16
Dictyoptera	16
1. Blaberidae.....	16
2. Blattellidae.....	16
3. Blattidae.....	17

Ephemeroptera	17
1. Ameletidae	17
2. Baetidae	17
3. Siphonuridae	18
4. Heptageniidae	18
5. Leptophlebiidae	18
6. Ephemerellidae	18
7. Ephemeridae	19
8. Caenidae	19
 Hemiptera: Heteroptera	19
1. Ceratocombidae	19
2. Dipsocoridae	19
3. Nepidae	20
4. Corixidae	20
5. Aphelocheiridae	22
6. Notonectidae	22
7. Pleidae	22
8. Mesoveliidae	22
9. Hebridae	23
10. Hydrometridae	23
11. Veliidae	23
12. Gerridae	23
13. Aepophilidae	24
14. Saldidae	24
15. Tingidae	25
16. Microphysidae	25
17. Miridae	26
18. Nabidae	33
19. Anthocoridae	33
20. Cimicidae	34
21. Reduviidae	34
22. Aradidae	35
23. Alydidae	35
24. Coreidae	35
25. Rhopalidae	35
26. Stenocephalidae	35
27. Berytidae	35
28. Lygaeidae	36
29. {Pyrrhocoridae}	38
30. Acanthosomatidae	38
31. Cydnidae	39

32. Pentatomidae.....	39
33. Scutelleridae.....	39
34. Thyreocoridae.....	39
35. Piesmatidae.....	40
Hemiptera: Auchenorrhyncha.....	40
1. Cixiidae.....	40
2. Delphacidae.....	40
3. Issidae.....	42
4. Aphrophoridae.....	42
5. Cicadellidae.....	43
6. Ulopidae.....	50
Hemiptera: Sternorrhyncha.....	51
1. Aleyrodidae.....	51
2. Aphididae.....	51
3. Asterolecaniidae.....	63
4. Coccidae.....	63
5. Diaspididae.....	64
6. Eriococcidae.....	65
7. [Kermesidae].....	65
8. [Monoplebidae].....	65
9. Ortheziidae.....	65
10. Adelgidae.....	66
11. Phylloxeridae.....	66
12. Psyllidae.....	66
13. Spondyliaspidae.....	68
14. Triozidae.....	68
Mecoptera.....	68
1. Panorpidae.....	68
Megaloptera.....	68
1. Sialidae.....	68
Microcoryphia.....	69
1. Machilidae.....	69
Neuroptera.....	69
1. Chrysopidae.....	69
2. Coniopterygidae.....	70
3. Hemerobiidae.....	70

4. Osmylidae.....	71
5. Sisyridae.....	71
Odonata.....	71
1. Calopterygidae.....	71
2. Lestidae.....	71
3. Coenagrionidae.....	71
4. Aeshnidae.....	72
5. Cordulegastridae.....	72
6. [Gomphidae].....	73
7. Corduliidae.....	73
8. Libellulidae.....	73
Orthoptera.....	73
1. Acrididae.....	74
2. Tetrigidae.....	74
3. Gryllidae.....	74
4. Gryllotalpidae.....	75
5. Rhaphidophoridae.....	75
6. Conocephalidae.....	75
7. Meconematidae.....	75
8. Phaneropteridae.....	75
9. Tettigoniidae.....	75
Phasmatodea.....	75
1. Phasmatidae.....	75
Phthiraptera.....	76
1. Laemobothriidae.....	76
2. Menoponidae.....	76
3. Ricinidae.....	77
4. Enderleinellidae.....	77
5. Hoplopleuridae.....	77
6. Linognathidae.....	77
7. Polyplacidae.....	77
8. Pthiridae.....	77
9. Haematopinidae.....	78
10. Pediculidae.....	78
11. Gonioididae.....	78
12. Philopteridae.....	78
13. Bovicoliidae.....	82
14. Trichodectidae.....	82

Plecoptera	83
1. Capniidae.....	83
2. Leuctridae.....	83
3. Nemouridae.....	83
4. Taeniopterygidae.....	84
5. Chloroperlidae.....	84
6. Perlidae.....	84
7. Perlodidae.....	84
Psocoptera	85
1. Lepidopsocidae.....	85
2. Trogiidae.....	85
3. Psyllipsocidae.....	85
4. Liposcelididae.....	85
5. Sphaeropsocidae.....	86
6. Caeciliusidae.....	86
7. Stenopsocidae.....	86
8. Epipsocidae.....	86
9. Ectopsocidae.....	86
10. Elipsocidae.....	87
11. Lachesillidae.....	87
12. Mesopsocidae.....	87
13. Peripsocidae.....	87
14. Philotarsidae.....	87
15. Trichopsocidae.....	88
16. Psocidae.....	88
Siphonaptera	89
1. Pulicidae.....	89
2. Ischnopsyllidae.....	90
3. Ceratophyllidae.....	90
4. Hystrichopsyllidae.....	91
5. Ctenophthalmidae.....	91
Strepsiptera	92
1. Elenchidae.....	92
2. Stylopidae.....	92
Thysanoptera	92
1. Thripidae.....	92
2. Phlaeothripidae.....	93

Trichoptera	94
1. Ecnomidae.....	94
2. Hydropsychidae.....	94
3. Polycentropodidae.....	94
4. Psychomyiidae.....	95
5. Philopotamidae.....	95
6. Leptoceridae.....	96
7. Molannidae.....	97
8. Odontoceridae.....	97
9. Apataniidae.....	97
10. Goeridae.....	98
11. Lepidostomatidae.....	98
12. Limnephilidae.....	98
13. Phryganeidae.....	100
14. Beraeidae.....	100
15. Sericostomatidae.....	100
16. Glossosomatidae.....	100
17. Hydroptilidae.....	101
18. Rhyacophilidae.....	102
 Zygentoma	 102
1. Lepismatidae.....	102
 References.....	 103
Index of genera and species.....	111

INTRODUCTION

This volume completes a project which commenced twenty nine years ago when a proposal for a Checklist of Irish Insects were outlined by Nash, Boston and O'Connor (1983). The only other attempt at a complete Irish checklist known to these authors was Alexander H. Haliday's MS *Catalogue of Irish Insects* in the National Museum of Ireland, a work compiled in the Nineteenth Century.

The completed modern checklist now consists of five parts. The first one catalogues the beetles (Coleoptera) (Anderson, Nash and O'Connor, 1997) and appeared as a Special Entomological Supplement to the *Irish Naturalists' Journal*. It is in a different format to the three subsequent volumes which have been published by the Irish Biogeographical Society in association with the National Museum of Ireland. The second covers the butterflies and moths (Lepidoptera) (Bond, Nash and O'Connor, 2006), the third deals with the two-winged flies (Diptera) (Chandler, O'Connor and Nash, 2008) and the fourth catalogues the Hymenoptera (O'Connor, Nash and Broad, 2009).

This, the final volume, checklists a diverse assemblage of groups. Some of these are very familiar while others are only known to a small group of specialists. Indeed, three of the orders are no longer considered to be insects. However, for continuity with the past, they have been included. Because of their diversity, no attempt is made to describe the various orders in this introduction. Instead, a short account of each order is given in the relevant section.

Since it is an assemblage of disparate orders, the volume has been technically a difficult one to prepare and the authors would like to hear of any errors or omissions. However, it is hoped that the checklist will be useful in listing all the relevant species currently known to occur in Ireland under a modern nomenclature.

The nomenclature, in general, follows that of the orders in *Fauna Europaea* (de Jong, 2011). When other works are also used, they are mentioned. The valid species names are shown in bold and indented. Species which have been added since the source references are indicated by a + sign in the left-hand margin. The checklist covers species known to have been native or naturalised in Ireland and therefore includes several now thought to be extinct. Some interesting importations are included {}. Subspecies are given if known. When relevant, synonymies are provided.

For some groups, the checklist is mainly a summary of those species recorded in the literature and identified some time ago. It has not been possible to correct identifications for many species. The checklist contains information on 1684 species. Excluding migrants and importations, 1583 species are validly recorded from Ireland. The layout specifies, when relevant, Order, Suborder, Family, Subfamily, Tribe, Genus, Species and Subspecies. A glossary of certain technical terms is given below.

TERMS, ABBREVIATION AND CONTRACTION

Aquatic - living or growing in water.

Auctorum; auctt. - in the sense of previous authors e.g. misidentification.

Cerci - paired appendages on the posterior segments.

Co. - County.

Cos - Counties.

Cosmopolitan - a species that can be found anywhere around the world.

Detritus - undissolved material from the decomposition of organic remains.

Extinct - having died out in Ireland, leaving no living representatives.

Herbivorous - feeding only on plants.

Imported - an introduced species i.e. not indigenous to Ireland and instead has been accidentally or deliberately transported by human activity.

Larvae - the young stages of insects which undergo a complete metamorphosis. Larvae pass through a pupal stage before becoming adults.

Nomen dubium - scientific name that is of unknown or doubtful application.

Nymphs - the young stages of insects which undergo a partial metamorphosis.

Ocelli - small simple eyes.

Omnivorous - eating both animal and vegetable foods.

Partim - in part.

Predatory - killing and consuming other animals.

Sensu - in the sense of.

Sensu lato - in the wider sense.

sic - used to indicate that a quoted passage, especially one containing an error or unconventional spelling, has been retained in its original form.

Sp.; spp.; species (singular); species (plural) - groups of actually (or potentially) interbreeding natural populations which are reproductively isolated from other such groups.

sp. dub. - dubious species.

Ssp.; subspecies - a geographically defined aggregate of local populations which differs taxonomically from other such aggregates (sub-division of the species).

Synonymy - synonyms are different scientific names that pertain to the same taxon, for example two names for the same species. The rule of zoological nomenclature is that the first name to be published is the senior synonym; any others are junior synonyms and should not be used.

Vegetarian - only eating plants.

{ } indicate imported taxa e.g. species.

[] indicate a taxon e.g. a genus or species which is to be deleted or whose presence requires confirmation.

+ indicates species which have been added since the source references.

ACKNOWLEDGEMENTS

We wish to thank Dr Berend Aukema, Professor Tom Bolger, Mike Boston, Dr Chris Malumphy, Nigel Monaghan, Dr Laurence Mound, Robert Nash and Dr Mike Wilson for their assistance. We are indebted to the Committee of The Irish Biogeographical Society for funding the cost of printing the checklist.

HEXAPODA: ENTOGNATHA

COLLEMBOLA

The Irish springtails (Collembola) were listed by Bolger (1986) and Hopkin (2007a, b). Most species have a forked springing organ at the hind end and can leap into the air if disturbed. They mainly live in soil, leaf litter and vegetation but a few are found in or around water.

ENTOMOBRYOMORPHA

ENTOMOBRYOIDEA

1. CYPHODERIDAE

CYPHODERUS NICOLET, 1847

albinus Nicolet, 1842

2. ENTOMOBRYIDAE

ENTOMOBRYINAE

COECOBRYA YOSII, 1956

tenebricosa Folsom, 1902

Synonymy: *Sinella caeca* (Schött, 1896) in Bolger (1986).

Footnote: this species is placed in *Sinella* by Hopkin (2007b).

ENTOMOBRYA RONDANI, 1861

albocincta (Templeton, 1835)

lanuginosa (Nicolet, 1841)

multifasciata (Tullberg, 1871)

muscorum (Nicolet, 1842)

Footnote: Hopkin (2007b) states that there are no confirmed British or Irish records.

nicoleti (Lubbock, 1867)

nivalis (Linnaeus, 1758)

HALOENTOMOBRYA STACH, 1963

dollfusi (Denis, 1924)

Synonymy: in *Entomobrya* in Bolger

(1986); in *Mesentotoma* in Hopkin (2007a, b).

[SINELLA BROOK, 1882]

[*curviseta* Brook, 1882]

Synonymy: *Sinella humicola* Brown, 1926 in Bolger (1986); also *Sinella pulcherrima* Agrell, 1939.

Footnote: the Irish records of *Sinella humicola* and *S. pulcherrima* are considered doubtful by Hopkin (2007b).

LEPIDOCYRTINAE

LEPIDOCYRTUS BOURLET, 1839

curvicollis Bourlet, 1839

cyaneus Tullberg, 1871

lanuginosus (Gmelin, 1788)

lignorum (Fabricius, 1775)

paradoxus Uzel, 1891

Footnote: the status of the species is unclear (Hopkin, 2007b).

ruber Schoett, 1902

PSEUDOSINELLA SCHAEFFER, 1897

alba (Packard, 1873)

decipiens Denis, 1925

fallax (Börner, 1903)

Footnote: the status of the species is

O'CONNOR AND NELSON

unclear (Hopkin, 2007b).

immaculata (Lie-Pettersen, 1896)
[*maritima* Bagnall, 1941]

Synonymy: this is a possible synonym of *Pseudosinella immaculata* (Hopkin, 2007b).

octopunctata Börner, 1901

Footnote: the status of the species is unclear (Hopkin, 2007b).

petterseni Börner, 1901
[*subvirei* Bonet, 1931]

Footnote: the single Irish record needs confirmation (Hopkin, 2007b).

WILLOWSIA SHOEBOOTHAM, 1917
nigromaculata (Lubbock, 1873)

Synonymy: given as a synonym of *Willowsia platani* (Nicolet, 1841) by Hopkin (2007b).

ORCHESELLINAE

HETEROMURUS WANKEL, 1861
nitidus (Templeton, 1835)
ORCHESELLA TEMPLETON, 1835
alticola Uzel, 1891
cincta (Linnaeus, 1758)
villosa (Geoffroy, 1764)
[*VERHOEFFIELLA* ABSOLON, 1900]

[*longicornis* (Absolon, 1900)]

Synonymy: *in Heteromurus* in Bolger (1986).

Footnote: the single Irish record requires confirmation (Hopkin, 2007a, b).

SEIRINAE

SEIRA LUBBOCK, 1869
domestica (Nicolet, 1841)

ISOTOMOIDEA

3. ISOTOMIDAE

ANUROPHORINAE
ANUROPHORUS NICOLET, 1842
laricis Nicolet, 1842
ARCHISOTOMA LINNANIEMI, 1912
besselsi (Packard, 1877)
BALLISTURA BÖRNER, 1906
schoetti (Dalla Torre, 1895)

Synonymy: *in Proisotoma (Ballistura)* in Bolger (1986).

[*ultonica* Carpenter, 1911]

Synonymy: *in Proisotoma (Ballistura)* in Bolger (1986).

Footnote: *Ballistura ultonica* was described by George Carpenter as new to science from specimens collected in garden soil from Ballyclare, Co. Antrim. Unfortunately, no type specimens appear to have survived but from the description, it is likely that Carpenter's material was a species of *Ballistura*. It is possible that 'ultonica' was an introduced species of *Ballistura* that could subsequently have been described as new to science from another country (or not at all). There are a few scattered literature records, mainly

from Ireland but the identity of these is impossible to confirm unless specimens can be found (Hopkin, 2007b).

CRYPTOPYGUS WILLEM, 1901

bipunctatus (Axelson, 1903)

scapelliferus (Gisin, 1955)

[*sphagneticolus* (Linnaniemi, 1912)]

Footnote: there is some doubt as to the identity of the specimens found by Bagnall and those listed in the Irish checklist by Bolger (1986). Fjellberg has suggested that *Cryptopygus sphagneticolus* (which Bagnall said was blind) may be the same as *Isotoma ekmani* Fjellberg, 1977 (Hopkin, 2007b).

thermophilus (Axelson, 1900)

FOLSOMIA WILLEM, 1902

agrelli Gisin, 1944

bisetosa Gisin, 1953

brevicauda Agrell, 1939

[*brevifurca* (Bagnall, 1949)]

Footnote: *Folsomia brevifurca* Bagnall, 1949 (*sp. dub.*) in Bolger (1986). Hopkin (2007b) states that the holotype is a juvenile and is impossible to place.

candida Willem, 1902

diplophthalma (Axelson, 1902)

fimetaria (Linnaeus, 1758)

fimetarioides (Axelson, 1903)

inoculata Stach, 1947

microchaeta Agrell, 1939

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

[*monoculata* (Bagnall, 1949)]

Footnote: *Fotsomia monoculata* (Bagnall, 1949) (*sp. dub.*) in Bolger (1986). Hopkin (2007b) states that the specimens are in very poor condition and impossible to place.

penicula Bagnall, 1939

quadrioculata (Tullberg, 1871)

sexoculata (Tullberg, 1871)

spinosa Kseneman, 1936

Synonymy: *Folsomia montigena* Stach, 1946 in Bolger (1986).

+*thalassophila* Bagnall, 1940

Footnote: recorded from Ireland by Hopkin (2007a). Hopkin (2007b) shows the records in Cos Antrim and Down.

FOLSOMIDES STACH, 1922

angularis (Axelson, 1905)

Synonymy: in *Proisotoma* (*Folsomides*) in Bolger (1986).

ISOTOMIELLA BAGNALL, 1939

minor (Schaeffer, 1896)

paraminor Gisin, 1942

Footnote: the single Irish record requires confirmation (Hopkin, 2007b).

ISOTOMODES LINNANIEMI, 1907

productus (Axelson, 1906)

+*sotoensis* Simon, Ruiz and Martin, 1994

Footnote: recorded from Co. Dublin by

Sterzyńska and Bolger (2004).

templetoni Bagnall, 1939

MUCROSOMIA BAGNALL, 1949

garretti Bagnall, 1939

Synonymy: *in Cryptopygus* in Bolger (1986) ; *in Cryptopygus* in Hopkin (2007b).

PROISOTOMA BÖRNER, 1901

admaritima Murphy, 1953

Footnote: there are doubts about the Irish records (Hopkin, 2007a), some of which belong to *Cryptopygus thermophilus* (Axelson, 1900).

minima (Absolon, 1901)

minuta (Tullberg, 1871)

tenella (Reuter, 1895)

[vestita (Brown, 1923)]

Footnote: ‘*Isotoma vestita*’ was described by Brown (1923) from specimens extracted from moss in Derbyshire, England. Unfortunately, no types seem to have survived and it is impossible to be certain exactly what taxon Brown had. The identity of “*Isotoma vestita*” (Brown, 1923) will probably remain a mystery (Hopkin, 2007b).

PSEUDANUROPHORUS STACH, 1922

alticolus Bagnall, 1949

TETRACANTHELLA SCHOETT, 1891

+arctica Cassagnau, 1959

Footnote: recorded from Co. Kerry by Fjelberg (2007).

brachyura Bagnall, 1949

Synonymy: also *Tetracanthella britannica* Cassagnau, 1959 *in* Bolger (1986).

wahlgreni Axelson, 1907

ISOTOMINAE

AGRENIA BÖRNER, 1906

bidenticulata (Tullberg, 1876)

AXELSONIA BÖRNER, 1906

littoralis (Moniez, 1890)

DESORIA NICOLET, 1841

nivalis (Carl, 1910)

Synonymy: *in Isotoma* in Bolger (1986).
Footnote: no confirmed British or Irish records (Hopkin, 2007b).

[olivacea (Tullberg, 1871)]

Synonymy: *Isotoma olivacea* Tullberg, 1871 *sensu* Gisin.

Footnote: requires confirmation. Hopkin (2007b) states that confusion has arisen because the descriptions of *Isotoma olivacea* in several earlier identification keys, including Gisin (1960), were in fact for *Desoria tigrina* Nicolet, 1842.

+tigrina Nicolet, 1842

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

violacea (Tullberg, 1876)

Synonymy: *Isotoma violacea* Tullberg, 1876 *sensu* Gisin *in* Bolger (1986).

Footnote: it is possible that ‘*violacea*’ as understood in the British Isles is a complex

of two species (Hopkin, 2007b).

HALISOTOMA BAGNALL, 1949

***maritima* (Tullberg, 1871)**

Synonymy: *in Isotoma* in Bolger (1986);
also *Isotoma poseidonis* Bagnall, 1939.

ISOTOMA BOURLET, 1839

+*anglicana* Lubbock, 1862

Footnote: recorded from Co. Dublin by
Sterzyńska and Bolger (2004).

+*caerulea* Bourlet, 1839

Footnote: recorded from Ireland by
Fjellberg (2003) who gives no localities.

***viridis* Bourlet, 1839**

Synonymy: also *Isotoma hibernica*
Carpenter, 1906 *in* Bolger (1986).

ISOTOMURUS BÖRNER, 1903

***alticolus* (Carl, 1899)**

Synonymy: *Isotomurus alticolus* may be a
synonym of *Isotomurus plumosus* Bagnall,
1940.

***antennalis* Bagnall, 1940**

Synonymy: *in Isotoma* in Bolger (1986)
and Hopkin (2007b).

***palustris* (Müller, 1776)**

[*prasinus* (Reuter, 1891)]

Footnote: Hopkin (2007b) reports Irish
records of this species but states that there
is confusion as to their identity.

MARISOTOMA FJELLBERG, 1997

***tenuicornis* (Axelson, 1903)**

Footnote: no confirmed British or Irish
records (Hopkin, 2007b)

PARISOTOMA BAGNALL, 1940

***notabilis* (Schaeffer, 1896)**

Synonymy: *in Isotoma* in Bolger (1986).

PSEUDISOTOMA HANDSCHIN, 1924

[*monochaeta* Kos, 1942]

Synonymy: *in Isotoma* (*Pseudisotoma*) *in*
Bolger (1986).

Footnote: Hopkin (2007b) states that

Bagnall's specimens all belong to
Pseudisotoma sensibilis (Tullberg, 1876).

***sensibilis* (Tullberg, 1876)**

Synonymy: *in Isotoma* (*Pseudisotoma*) *in*
Bolger (1986).

VERTAGOPUS BÖRNER, 1906

***arboreus* (Linnaeus, 1758)**

Synonymy: *in Isotoma* (*Vertagopus*) *in*
Bolger (1986).

***cinereus* (Nicolet, 1841)**

Synonymy: *in Isotoma* (*Vertagopus*) *in*
Bolger (1986).

[*montanus* Stach, 1947]

Synonymy: *in Isotoma* (*Vertagopus*) *in*
Bolger (1986).

Footnote: the specimens from Co. Antrim
do not belong to *Vertagopus montanus*
(Hopkin, 2007a).

SUBFAMILY PACHYOTOMINAE

PACHYOTOMA BAGNALL, 1949

***crassicauda* (Tullberg, 1871)**

Synonymy: *in Proisotoma* in Bolger
(1986).

TOMOCEROIDEA

4. TOMOCERIDAE

POGONOGNATHELLUS BÖRNER, 1908

flavescens (Tullberg, 1871)

Synonymy: *in Tomocerus* in Hopkin (2007b).

longicornis (Müller, 1776)

Synonymy: *in Tomocerus* in Hopkin (2007b).

TOMOCERUS NICOLET, 1841

minor (Lubbock, 1862)

vulgaris (Tullberg, 1871)

NEELIPLEONA

5. NEELIDAE

MEGALOTHORAX WILLEM, 1900

minimus Willem, 1900

Synonymy: *in Neelus* (*Megalothorax*) in Bolger (1986).

NEELUS FOLSOM, 1896

murinus Folsom, 1896

PODUROMORPHA

HYPOGASTRUROIDEA

6. HYPOGASTRURIDAE

HYPOGASTRURINAE

CERATOPHYSELLA BÖRNER, 1932

armata (Nicolet, 1841)

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

bengtssoni (Ågren, 1904)

Synonymy: *in Hypogastrura* in Bolger (1986).

denticulata (Bagnall, 1941)

Synonymy: *in Hypogastrura* in Bolger (1986).

+engadinensis (Gisin, 1949)

Footnote: recorded from Ireland by Hopkin (2007a). The record is shown in Co. Sligo by Hopkin (2007b).

gibbosa (Bagnall, 1940)

Synonymy: *in Hypogastrura* in Bolger (1986).

granulata Stach, 1949

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

[longispina (Tullberg, 1876)]

Synonymy: *in Hypogastrura* in Bolger (1986).

Footnote: Arctic species. British and Irish specimens belong to other species of *Ceratophysella* (Hopkin, 2007b).

scotica (Carpenter and Evans, 1899)

Synonymy: *in Hypogastrura* in Bolger (1986).

succinea (Gisin, 1949)

Synonymy: *in Hypogastrura* in Bolger

(1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

HYPOGASTRURA BOURLET, 1839
manubrialis (Tullberg, 1869)
purpurescens (Lubbock, 1867)
[*tullbergi* (Schaeffer, 1900)]

Footnote: Arctic species. British and Irish specimens belong to other species of *Hypogastrura* (Hopkin, 2007b).

viatica (Tullberg, 1872)
[**MESOGASTRURA BONET, 1930**]
[*libyca* (Caroli, 1914)]

Synonymy: *in Mesachorutes* in Bolger (1986).

Footnote: requires confirmation as Hopkin (2007a) considers the record to be doubtful.

SCHAEFFERIA ABSOLON, 1900
willemi (Bonet, 1930)

Footnote: Hopkin (2007b) places all British and Irish specimens of *Schaefferia* into a single group, the *Schaefferia emucronata* ‘group’.

SCHOETTELLA SCHAEFFER, 1896
ununguiculata (Tullberg, 1869)

Synonymy: *in Hypogastrura* in Bolger (1986).

WILLEMIA BÖRNER, 1901
anophthalma Börner, 1901
denisi Mills, 1932

Synonymy: *Willemia aspinata* Stach, 1949

in Bolger (1986).

intermedia Mills, 1934
+*multilobata* Gers and
Deharveng, 1985

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

XENYLLA TULLBERG, 1869
acauda Gisin, 1947
boernerii Axelson, 1905
brevicauda Tullberg, 1869

Footnote: no confirmed British or Irish records (Hopkin, 2007b)

grisea Axelson, 1900
humicola (O. Fabricius, 1780)
maritima Tullberg, 1869
+*tullbergi* Börner, 1903

Footnote: recorded from Co. Sligo by Hopkin (2007a).

xavieri da Gama, 1959

NEANUROIDEA

7. BRACHYSTOMELLIDAE

BRACHYSTOMELLA ÅGREN, 1903
parvula (Schaeffer, 1896)

8. NEANURIDAE

FRIESEINAE

FRIESEA DALLA TORRE, 1895
acuminata (Denis, 1925)
afurcata (Denis, 1926)

Footnote: the single Irish record requires confirmation (Hopkin, 2007b).

+cf *baltica* Szeptycki, 1964

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004). The species found on the Irish coast differs from the material described originally from the Baltic seashore, Poland, in the chaetotaxy of Th. 3-4, where the m4 chaeta is present and on Abd 4 chaeta a2 is present.

***claviseta* Axelson, 1900**

***mirabilis* (Tullberg, 1871)**

***truncata* Cassagnau, 1958**

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

NEANURINAE

NEANURINI

***MONOBELLA* CASSAGNAU, 1979**

***grassei* (Denis, 1923)**

***NEANURA* MACGILLIVRAY, 1893**

***muscorum* (Templeton, 1835)**

PARANURINI

***PARANURA* AXELSON, 1902**

***sexpunctata* Axelson, 1902**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

PSEUDACHORUTINAE

***ANURIDA* LABOULBENE, 1865**

***ellipsoides* Stach, 1949**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***granaria* (Nicolet, 1847)**

***maritima* (Guérin-Méneville, 1836)**

***thalassophila* (Bagnall, 1939)**

***tullbergi* Schoett, 1891**

***ANURIDELLA* WILLEM, 1906**

***calcarata* Denis, 1925**

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

+*immsiana* Bagnall, 1939

Footnote: recorded from Northern Ireland by Hopkin (2007a).

+*submarina* Bagnall, 1934

Footnote: recorded from Ireland by Hopkin (2007a)

***GASTRANURIDA* BAGNALL, 1949**

***denisi* Bagnall, 1939**

Synonymy: *in Anurida* in Hopkin (2007b).

***MICRANURIDA* BÖRNER, 1901**

***forsslundi* Gisin, 1949**

***pygmaea* Börner, 1901**

***sensillata* (Gisin, 1953)**

Synonymy: *in Anurida* in Bolger (1986).

***PSEUDACHORUTELLA* STACH, 1949**

***asigillata* (Börner, 1901)**

***PSEUDACHORUTES* TULLBERG, 1871**

***boerner*i Schoett, 1902**

Footnote: no confirmed British or Irish records (Hopkin, 2007b). The Irish specimen may be *P. corticicolus* (Schaeffer, 1896) (Hopkin, 2007a).

***subcrassus* Tullberg, 1871**

9. ODONTELLIDAE

XENYLLODES AXELSON, 1903

armatus Axelson, 1903

ONYCHIUROIDEA

10. ONYCHIURIDAE

ONYCHIURINAE

HYMENAPHORURINI

KALAPHORURA ABSOLON, 1901

burmeisteri (Lubbock, 1873)

Synonymy: *in Onychiurus (Kalaphorura)*
in Bolger (1986).

OLIGAPHORURINI

OLIGAPHORURA BAGNALL, 1949

schoetti (Lie-Pettersen, 1896)

Synonymy: *in Onychiurus (Oligaphorura)*
in Bolger (1986).

ONYCHIURINI

DEUTERAPHORURA ABSOLON, 1901

inermis Tullberg, 1871

Synonymy: *Onychiurus fimetarius*
(Linnaeus, 1766) group *in* Bolger (1986).
Onychiurus fimetarius is an invalid name.
Footnote: Hopkin (2007b) shows Irish records.

laminatipes (Bagnall, 1937)

Synonymy: *in Onychiurus in* Bolger
(1986); a synonym of *Onychiurus*
ambulans (Linnaeus, 1758) *in* Hopkin
(2007b).

ONYCHIURUS GERVAIS, 1841

ambulans (Linnaeus, 1758)

Footnote: Bolger (1986) gave group status
to this taxon, stating that Gisin (1952)
suggested that *Onychiurus ambulans*, *O.*
armatus and *O. fimetarius* represented
species complexes. Records of these
species before this date, for which
specimens are not available, can only be
attributed to species groupings. It should
be noted that some debate exists about the
validity of the species within the
complexes (cf. Lawrence, 1979 and the
references cited therein).

rectospinatus Stach, 1922

Footnote: no confirmed British or Irish
records (Hopkin, 2007b).

subambulans Denis, 1935

Footnote: no confirmed British or Irish
records (Hopkin, 2007b).

PROTAPHORURINI

PROTAPHORURA ABSOLON, 1901

armata (Tullberg, 1869)

Synonymy: *in Onychiurus (Protaphorura)*
in Bolger (1986).

Footnote: Bolger (1986) gave group status
to this taxon, stating that Gisin (1952)
suggested that *Onychiurus ambulans*, *O.*
armatus and *O. fimetarius* represented
species complexes. Records of these
species before this date, for which
specimens are not available, can only be
attributed to species groupings. It should

be noted that some debate exists about the validity of the species within the complexes (cf. Lawrence, 1979 and the references cited therein). Hopkin (2007b) discusses the group and shows Irish records.

***campata* (Gisin, 1952)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***procampata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); given as a synonym of *Protaphorura campata* by Hopkin (2007b).

***+pseudocellata* (Naglitsch, 1962)**

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

***stachi* (Bagnall, 1935)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

***subaequalis* (Bagnall, 1937)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); a synonym of *Protaphorura armata* (Tullberg, 1869) in Hopkin (2007b).

***subarmata* (Gisin, 1957)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986); a synonym of *Protaphorura subuliginata* (Gisin, 1956) in Hopkin (2007b).

***subuliginata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

***tricampata* (Gisin, 1956)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

SUPRAPHORURA STACH, 1954

***furcifera* (Börner, 1901)**

Synonymy: *in Onychiurus (Protaphorura)* in Bolger (1986).

THALASSAPHORURINI

ALLONYCHIURUS YOSHII, 1995

***edinensis* (Bagnall, 1935)**

Synonymy: *in Onychiurus* in Bolger (1986).

***spinosus* (Bagnall, 1949)**

Synonymy: *in Onychiurus* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

MICRONYCHIURUS BAGNALL, 1949

***minutus* (Denis, 1932)**

Synonymy: *in Onychiurus* in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

THALASSAPHORURA BAGNALL, 1949

***debilis* (Moniez, 1890)**

Synonymy: *Onychiurus (Protaphorura)*

thalassophilus Bagnall, 1937 in Bolger (1986).

***halophila* (Bagnall, 1937)**

Synonymy: in *Onychiurus* (*Protaphorura*) in Bolger (1986).

11. PODURIDAE

PODURA LINNAEUS, 1758

***aquatica* Linnaeus, 1758**

12. TULLBERGIIDAE

TULLBERGIINAE

MESAPHORURA BÖRNER, 1901

+*critica* Ellis, 1976

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

***iowensis* (Mills, 1932)**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986).

Footnote: no confirmed British or Irish records (Hopkin, 2007b).

***krausbaueri* Börner, 1901**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986).

+*macrochaeta* Rusek, 1976

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

+*petterdassi* (Fjellberg, 1988)

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

+*pongei* Rusek, 1982

Footnote: recorded from Co. Dublin by

Sterzyńska and Bolger (2004).

+*tenuisensillata* Rusek, 1974

Footnote: recorded from Ireland by Hopkin (2007a). Hopkin (2007b) shows the record in Co. Down.

METAPHORURA STACH, 1954

***affinis* (Börner, 1903)**

Synonymy: in *Tullbergia* (*Metaphorura*) in Bolger (1986).

NEOTULLBERGIA BAGNALL, 1935

***ramicuspis* (Gisin, 1953)**

Synonymy: in *Tullbergia* (*Neotullbergia*) in Bolger (1986).

PARATULLBERGIA WOMERSLEY, 1930

***callipygos* (Börner, 1902)**

Synonymy: in *Tullbergia* (*Mesaphorura*) in Bolger (1986); also *Tullbergia* (*Paratullbergia*) *carpenteri* (Bagnall, 1935) in Bolger (1986).

STENAPHORURELLA LUCIANEZ AND SIMON, 1992

***denisi* (Bagnall, 1935)**

Synonymy: in *Tullbergia* (*Stenaphorura*) in Bolger (1986); in *Stenaphorura* Absolon, 1900 in Hopkin (2007b).

***quadrispina* (Börner, 1901)**

Synonymy: in *Tullbergia* (*Stenaphorura*) in Bolger (1986); in *Stenaphorura* Absolon, 1900 in Hopkin (2007b).

SYMPHYPLEONA

13. ARRHOPALITIDAE

ARRHOPALITES BÖRNER, 1906

caecus (Tullberg, 1871)

principalis Stach, 1945

pygmaeus (Wankel, 1861)

[*terricolus* Gisin, 1958]

Footnote: Hopkin (2007b) considers the record to be doubtful.

14. BOURLETIELLIDAE

BOURLETIELLA BANKS, 1899

SUBGENUS BOURLETIELLA BANKS, 1899

arvalis (Fitch, 1863)

Synonymy: *Bourletiella lutea* (Lubbock, 1867) in Bolger (1986).

hortensis (Fitch, 1863)

DEUTEROSMINTHURUS BÖRNER, 1901

repandus Ågren, 1903

Synonymy: *Bourletiella* (*Deuterosminthurus*) in Bolger (1986); a synonym of *Deuterosminthurus pallipes* (Bourlet, 1943) in Hopkin (2007b).

sulphureus (Koch, 1840)

Synonymy: in *Bourletiella* (*Deuterosminthurus*) in Bolger (1986).

HETEROSMINTHURUS STACH, 1955

novemlineatus (Tullberg, 1871)

Synonymy: in *Bourletiella* (*Heterosminthurus*) in Bolger (1986).

15. DICYRTOMIDAE

DICYRTOMINAE

DICYRTOMA BOURLET, 1842

fusca (Lubbock, 1873)

DICYRTOMINA BÖRNER, 1903

minuta (O. Fabricius, 1783)

ornata (Nicolet, 1842)

saundersi (Lubbock, 1862)

16. KATIANNIDAE

SMINTHURINUS BÖRNER, 1901

+*albifrons* (Tullberg, 1871)

Footnote: recorded from Co. Dublin by Sterzyńska and Bolger (2004).

aureus (Lubbock, 1862)

elegans (Fitch, 1863)

igniceps (Reuter, 1881)

niger (Lubbock, 1868)

17. SMINTHURIDAE

SMINTHURINAE

ALLACMA BÖRNER, 1906

fusca (Linnaeus, 1758)

Synonymy: in *Sminthurus* (*Allacma*) in Bolger (1986); also *Willowsia buski* (Lubbock, 1869) in Bolger (1986).

CAPRAINEA DALLAI, 1970

marginata (Schoett, 1893)

Synonymy: in *Sminthurus* in Bolger (1986).

SMINTHURUS LATREILLE, 1802

nigromaculatus (Tullberg, 1872)

viridis (Linnaeus, 1758)

18. SMINTHURIDIDAE

SMINTHURIDES BÖRNER, 1900

aquaticus (Bourlet, 1843)

assimilis (Krausbauer, 1898)

Synonymy: a synonym of *Sminthurides signatus* (Krausbauer, 1898) in Hopkin (2007b).

malmgreni (Tullberg, 1876)

parvulus (Krausbauer, 1898)

schoetti Axelson, 1903

SPHAERIDIA LINNANIEMI, 1912

pumilis (Krausbauer, 1898)

Synonymy: in *Sminthurides* (*Sphaeridia*) in Bolger (1986).

STENACIDIA BÖRNER, 1906

violacea (Reuter, 1881)

Synonymy: in *Sminthurides* (*Stenacidia*) in Bolger (1986).

DIPLURA

Delany (1954) listed the Irish species of two-pronged bristle-tails (Diplura). They live in soil, under bark, and in other dark and humid places with decaying matter. Pale in colour, these small creatures have no compound eyes or ocelli.

1. CAMPODEIDAE

CAMPODEINAE

CAMPODEA WESTWOOD, 1842

SUBGENUS CAMPODEA,

WESTWOOD 1842

fragilis Meinert, 1865

+lankesteri Silvestri, 1912

Footnote: recorded from Co. Kilkenny by Good, Blackith and Higgins (1989)

plusiochaeta Silvestri, 1912

staphylinus Westwood, 1842

PROTURA

The Irish fauna was listed by Blackith and Good (1991). These small creatures live in leaf litter and in soil containing organic matter.

ACERENTOMATA

1. ACERENTOMIDAE

ACERENTOMON SILVESTRI, 1907

affine Bagnall, 1912

ACERENTULUS BERLESE, 1908

confinis (Berlese, 1908)

cunhai Condé, 1950

traegardhi Ionesco, 1937

EOSENTOMATA

2. EOSENTOMIDAE

EOSENTOMON BERLESE, 1908

transitorium Berlese, 1908

HEXAPODA: INSECTA
DERMAPTERA

The Irish earwigs (Dermaptera) were listed by Marshall and Haes (1990). Easily recognisable due to their stout pinchers (cerci), they are active at night, feeding on a wide variety of insects and plants.

1. {ANISOLABIDIDAE}
{CARCINOPHORINAE}
{EUBORELLIA BURR, 1910}
+{annulipes (Dohrn, 1864)}
Footnote: imported in 1983 with Nigerian mahogany into Co. Dublin (O’Connor and Nash, 1984).

2. FORFICULIDAE
FORFICULINAE
FORFICULA LINNAEUS, 1758
auricularia Linnaeus, 1758
+lesnei Finot, 1887
Footnote: recorded from Co. Waterford by Cawley (2000). The species is well established on the Waterford coast

(Cawley, 2005).

3. SPONGIPHORIDAE
Synonymy: Labiidae in Marshall and Haes (1990).
LABIINAE
LABIA LEACH, 1915
minor (Linnaeus, 1758)

{SPONGIPHORINAE}
{MARAVA BURR, 1911}
{arachidis (Yersin, 1860)}
Synonymy: Prolabia in O’Mahony (1950).
Footnote: imported into Co. Dublin (O’Mahony, 1950).

DICTYOPTERA

The Irish cockroaches (Dictyoptera) were listed by Marshall and Haes (1990). Cotton (1982) provided a synopsis of the group (sensu lato) in Ireland. Records of several imported species are given in Nash and O’Connor (1990). They are mainly a tropical group and the Irish species are omnivorous ones which live only under artificial conditions here.

BLATTODEA
1. BLABERIDAE
PYCNOSCELINAE
PYCNOSCELUS SCUDDER, 1862
surinamensis (Linnaeus, 1758)
Footnote: recorded from Dublin City by

Cotton (1982). Also imported from The Netherlands (Nash and O’Connor, 1990).

2. BLATTELLIDAE
BLATTELLINAE
BLATTELLA CAUDELL, 1903

germanica (Linnaeus, 1767)

PSEUDOPHYLLODROMIINAE

SUPELLA SHELFORD, 1911

longipalpa (Fabricius, 1798)

Synonymy: *Supella supellectilium*
(Serville, 1839) *in* Goodhue (1980) and *in*
Nash *et al.* (1985).

3. BLATTIDAE

BLATTINAE

BLATTA LINNAEUS, 1758

orientalis Linnaeus, 1758

PERIPLANETA BURMEISTER, 1838

americana (Linnaeus, 1758)

australasiae (Fabricius, 1775)

EPHEMEROPTERA

The Irish mayflies (Ephemeroptera) were listed by Ashe, O'Connor and Murray (1998). Later changes in nomenclature follow Kluge (2011). Kelly-Quinn and Bracken (2000) provided information on their distributions. The group is well known to anglers. The immature feeding stages (nymphs) are aquatic, being mainly herbivorous and living on plant debris and algae. Mayflies are unique in moulting after emerging from the water as a winged insect known as the subimago (dun). The next and final adult stage (imago or spinner) is the reproductive one.

BAETOIDEA

1. AMELETIDAE

AMELETUS EATON, 1885

inopinatus Eaton, 1887

2. BAETIDAE

ALAINITES WALTZ AND

MCCAFFERTY IN WALTZ,

MCCAFFERTY AND THOMAS, 1994

muticus (Linnaeus, 1758)

Synonymy: *Baëtis pumilus* (Burmeister, 1839) *in* King and Halbert (1910) and *in* Harris (1952).

BAETIS LEACH, 1815

atrebatinus Eaton, 1870

[*fuscatus* (Linnaeus, 1761)]

Synonymy: *Baëtis binoculatus* (sic) auctt.

in King and Halbert (1910); *Baëtis*
bioculatus *in* Harris (1952).

Footnote: the presence of this species in
Ireland needs confirmation. Male adult
voucher material is required as previous
records are based on females and nymphs.

rhodani (Pictet, 1843)

scambus Eaton, 1870

vernus Curtis, 1834

CENTROPTILUM EATON, 1869

luteolum (Müller, 1776)

CLOEON LEACH, 1815

dipterum (Linnaeus, 1761)

simile Eaton, 1870

PROCLOEON BENGTSSON, 1915

bifidum (Bengtsson, 1912)

Synonymy: *Cloëon rufulum* Eaton nec (Müller, 1776) in King and Halbert (1910); *Procloëon pseudorufulum* Kimmins, 1957 in Harris (1952).

3. SIPHLONURIDAE

SIPHLONURUS EATON, 1868

alternatus (Say, 1824)

Synonymy: *Siphonurus linnaeanus* (Eaton, 1871) in Harris (1952).

armatus Eaton, 1870

Synonymy: *Siphlurus* in King and Halbert (1910).

lacustris Eaton, 1870

Synonymy: *Siphlurus* in King and Halbert (1910).

HEPTAGENIOIDEA

4. HEPTAGENIIDAE

ECDYONURUS EATON, 1868

dispar (Curtis, 1834)

insignis (Eaton, 1870)

Synonymy: in *Ecdyurus* in King and Halbert (1910).

torrentis Kimmins, 1942

venosus (Fabricius, 1775)

Synonymy: in *Ecdyurus* in King and Halbert (1910).

ELECTROGENA ZURWERRA AND TOMKA, 1985

lateralis (Curtis, 1834)

Synonymy: in *Ecdyurus* in King and Halbert (1910); in *Heptagenia* in Harris (1952).

HEPTAGENIA WALSH, 1863

sulphurea (Müller, 1776)

KAGERONIA MATSUMURA, 1931

fuscogrisea (Retzius, 1783)

Synonymy: in *Heptagenia* in Harris (1952); in Ashe, O’Connor and Murray (1998); in Kelly-Quinn and Bracken (2000).

RHITHROGENA EATON, 1881

germanica Eaton, 1885

Synonymy: *Rhithrogena haarupi* Esben-Petersen, 1909 in Harris (1952).

semicolorata (Curtis, 1834)

LEPTOPHLEBIOIDEA

5. LEPTOPHLEBIIDAE

LEPTOPHLEBIA WESTWOOD, 1840

marginata (Linnaeus, 1767)

vespertina (Linnaeus, 1758)

PARALEPTOPHLEBIA LESTAGE, 1917

cincta (Retzius, 1783)

Synonymy: in *Leptophlebia* in King and Halbert (1910).

EPHEMERELLOIDEA

6. EPHEMERELLIDAE

EPHEMERELLA WALSH, 1863

notata Eaton, 1887

SERRATELLA EDMUNDS, 1959

ignita (Poda, 1761)

Synonymy: *in Ephemerella* in Harris (1952); *in* Ashe, O'Connor and Murray (1998); *in* Kelly-Quinn and Bracken (2000).

EPHEMEROIDEA

7. EPHEMERIDAE

EPHEMERA LINNAEUS, 1758

danica Müller, 1764

[*vulgata* Linnaeus, 1758]

Footnote: recorded by King and Halbert (1910) but there is no authentic Irish material.

CAENOIDEA

8. CAENIDAE

CAENIS STEPHENS, 1835

horaria (Linnaeus, 1758)

Synonymy: *Caenis dimidiata* Stephens, 1835 *in* King and Halbert (1910).

luctuosa (Burmeister, 1839)

Synonymy: *Caenis moesta* Bengtsson, 1917 *in* Harris (1952).

macrura Stephens, 1835

Synonymy: *Caenis halterata* Eaton, 1868 nec (Fabricius, 1777) *in* King and Halbert (1910).

rivulorum Eaton, 1884

HEMIPTERA

HETEROPTERA

The Irish Heteroptera were listed by Halbert (1935). Nomenclature follows Aukema and Rieger (1995, 1996, 1999, 2001, 2006). Popularly known as bugs, the name Heteroptera (meaning different wings) derives from the possession in most species of forewings with both membranous and hardened portions. The mouth parts are needle-like. for drawing up liquid food. After hatching, the immature stages (nymphs) change gradually into the adult form. There are both herbivorous and predatory species. Some suck the blood of birds and mammals including humans.

DIPSOCOROMORPHA

DIPSOCOROIDEA

1. CERATOCOMBIDAE

CERATOCOMBINAE

CERATOCOMBINI

CERATOCOMBUS SIGNORET, 1852

SUBGENUS CERATOCOMBUS

SIGNORET, 1852

coleoptratus (Zetterstedt, 1819)

2. DIPSOCORIDAE

CRYPTOSTEMMA HERRICH-SCHAEFFER, 1835

SUBGENUS CRYPTOSTEMMA

HERRICH-SCHAEFFER, 1835

alienum Herrich-Schaeffer, 1835

SUBGENUS *PACHYCOLEUS* FIEBER, 1860

waltli (Fieber, 1860)

Synonymy: *Pachycoleus rufescens* J.
Sahlberg, 1875 in Halbert (1935).

NEPOMORPHA

NEPOIDEA

3. NEPIDAE

NEPINAE

NEPINI

***NEPA* LINNAEUS, 1758**

cinerea Linnaeus, 1758

CORIXOIDEA

4. CORIXIDAE

MICRONECTINAE

***MICRONECTA* KIRKALDY, 1897**

SUBGENUS *MICRONECTA*

KIRKALDY, 1897

+griseola Horváth, 1899

Footnote: recorded from Co. Clare by
Cuppen and Nelson (2007).

poweri (Douglas and Scott, 1869)

subspecies *poweri* (Douglas and
Scott, 1869)

Synonymy: *Micronecta minutissima*
(Linnaeus, 1758) in Halbert (1935).

CYMATIAINAE

***CYMATIA* FLOR, 1860**

bonsdorffii (C. R. Sahlberg, 1819)

Synonymy: in *Corixa* in Halbert (1935).

CORIXINAE

GLAENOCORISINI

***GLAENOCORISA* THOMSON, 1869**

[*cavifrons* Thomson, 1869]

propinqua (Fieber, 1860)

Synonymy: *Corixa cavifrons* Thomson
1869 in Halbert (1935).

Footnote: the above two taxa are treated as
separate species in Aukema and Rieger
(1995). All Irish material that we have seen
refers to *Glaenocorisa propinqua*. Jansson
(1986) indicates the presence of *G.*
cavifrons in Ireland, but the basis of this
record is unknown.

CORIXINI

***ARCTOCORISA* WALLENGREN, 1894**

+carinata (C. R. Sahlberg, 1819)

Footnote: recorded from Cos Donegal and
Sligo by McCormack, Nolan and Regan
(2006).

germari (Fieber, 1848)

Synonymy: in *Corixa* in Halbert (1935).

***CALLICORIXA* WHITE, 1873**

praeusta (Fieber, 1848)

subspecies *praeusta* (Fieber,
1848)

Synonymy: in *Corixa* in Halbert (1935).

wollastoni (Douglas and Scott,
1865)

Synonymy: *Corixa praeusta* var *wollastoni*
in Halbert (1935).

CORIXA GEOFFROY, 1762

affinis Leach, 1817

dentipes Thomson, 1869

+*iberica* Jansson, 1981

Footnote: recorded from Co. Donegal and
Co. Mayo or Co. Galway by Jansson
(1986).

panzeri Fieber, 1848

punctata (Illiger, 1807)

Synonymy: *Corixa geoffroyi* Leach, 1817
in Halbert (1935).

HESPEROCORIXA KIRKALDY, 1908

castanea (Thomson, 1869)

Synonymy: *in Corixa in* Halbert (1935).

linnaei (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

moesta (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

sahlbergi (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

PARACORIXA POISSON, 1957

concinna (Fieber, 1848)

subspecies *concinna* (Fieber,
1848)

Synonymy: *in Corixa in* Halbert (1935).

SIGARA FABRICIUS, 1775

**SUBGENUS HALICORIXA WALTON,
1940**

+*selecta* (Fieber, 1848)

Footnote: recorded from Co. Kerry by

McCarthy and Walton (1980).

stagnalis (Leach, 1817)

subspecies *stagnalis* (Leach,
1817)

Synonymy: *Corixa lugubris* Fieber, 1848
in Halbert (1935).

**SUBGENUS PSEUDOVERMICORIXA
JACZEWSKI, 1962**

nigrolineata (Fieber, 1848)

subspecies *nigrolineata* (Fieber,
1848)

Synonymy: *in Corixa in* Halbert (1935).

**SUBGENUS RETROCORIXA
WALTON, 1940**

limitata (Fieber, 1848)

subspecies *limitata* (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

semistriata (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

venusta (Douglas and Scott, 1869)

Synonymy: *in Corixa in* Halbert (1935).

**SUBGENUS SIGARA FABRICIUS.
1775**

dorsalis (Leach, 1817)

Synonymy: *Corixa striata* auctt. Brit. nec
(Linnaeus, 1758) *in* Halbert (1935).

**SUBGENUS SUBSIGARA STICHEL,
1935**

distincta (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

falleni (Fieber, 1848)

Synonymy: *in Corixa in* Halbert (1935).

+fallenoidea (Hungerford, 1926)

Synonymy: The synonymy of *pearcei* and *fallenoidea* was shown by China (1955). *Sigara pearcei* Walton, 1936 in Walton (1936).

Footnote: recorded from Cos Galway and Tipperary as *Sigara pearcei* in Walton (1936).

fossarum (Leach, 1817)

Synonymy: in *Corixa* in Halbert (1935).

scotti (Douglas and Scott, 1868)

Synonymy: in *Corixa* in Halbert (1935).

**SUBGENUS VERMICORIXA
WALTON, 1940**

lateralis (Leach, 1817)

Synonymy: *Corixa heiroglyphica* (Dufour, 1833) in Halbert (1935).

NAUCOROIDEA

5. APHELOCHEIRIDAE

**APHELOCHEIRUS WESTWOOD,
1833**

**SUBSPECIES APHELOCHEIRUS
WESTWOOD, 1833**

aestivalis (Fabricius, 1794)

Footnote: Irish and British specimens are assigned to the form *montandoni* Horváth, 1899.

NOTONECTOIDEA

6. NOTONECTIDAE

NOTONECTINAE

NOTONECTINI

NOTONECTA LINNAEUS, 1758

**SUBGENUS NOTONECTA
LINNAEUS, 1758**

glaucia Linnaeus, 1758

**subspecies glauca Linnaeus, 1758
[maculata Fabricius, 1794]**

Footnote: the presence of *Notonecta maculata* in Ireland requires confirmation. Although recorded by several authors, there are no traceable vouchers. Specimens of *N. glauca* with strongly spotted elytra are not uncommon and these are considered the likeliest source of the published records.

obliqua Thunberg, 1787

Synonymy: *Notonecta furcata* Fabricius, 1794 in Halbert (1935).

viridis Delcourt, 1909

Synonymy: *Notonecta marmorea viridis* Delcourt, 1909 in Halbert (1935).

PLEOIDEA

7. PLEIDAE

PLEA LEACH, 1817

minutissima Leach, 1817

**subspecies minutissima Leach,
1817**

GERROMORPHA

MESOVELIOIDEA

8. MESOVELIIDAE

MESOVELIINAE

MESOVELIA MALSANT AND REY,
1852

+*furcata* Mulsant and Rey, 1852

Footnote: recorded from Co. Kerry by
Aukema *et al.* (2007).

HEBROIDEA

9. HEBRIDAE

HEBRINAE

HEBRUS CURTIS, 1833

SUBGENUS **HEBRUSELLA** POISSON,
1944

+*ruficeps* Thomson, 1871

HYDROMETROIDEA

10. HYDROMETRIDAE

HYDROMETRINAE

HYDROMETRA LATREILLE, 1796

+*gracilentia* Horváth, 1899

Footnote: recorded from Co. Cork by
Oliver and Healy (1998)

+*stagnorum* (Linnaeus, 1758)

GERROIDEA

11. VELIIDAE

MICROVELIINAE

MICROVELIINI

MICROVELIA WESTWOOD, 1834

SUBGENUS **MICROVELIA**

WESTWOOD, 1834

+*pygmaea* (Dufour, 1833)

Synonymy: placed in the subgenus

Picaultia Distant, 1913 in Fauna Europaea.

Footnote: recorded from Co. Cork by
Walton (1981).

+*reticulata* (Burmeister, 1835)

VELIINAE

VELIA LATREILLE, 1804

SUBGENUS **PLESIOVELIA**

TAMANINI, 1955

+*caprai* Tamanini, 1947

subspecies *caprai* Tamanini, 1947

Synonymy: *Velia currens*: auctt., nec
(Fabricius, 1794) in Halbert (1935).

Footnote: the true *Velia currens* (Fabricius,
1794) does not occur in Ireland.

+*saulii* Tamanini, 1947

Footnote: recorded from Co. Westmeath
by O'Connor and Norton (1977).

12. GERRIDAE

GERRINAE

GERRINI

AQUARIUS SCHELLENBERG, 1800

+*najas* (De Geer, 1773)

Synonymy: *in Gerris* in Halbert (1935).

GERRIS FABRICIUS, 1794

SUBGENUS **GERRIS** FABRICIUS,
1794

+*argentatus* Schummel, 1832

+*costae* (Herrich-Schaeffer, 1850)

subspecies *poissoni* Wagner and

Zimmermann, 1955

Synonymy: *Gerris lateralis* Schummel,
1832 var. *costae* in Halbert (1935).

lacustris (Linnaeus, 1758)

odontogaster (Zetterstedt, 1828)

thoracicus Schummel, 1832

SUBGENUS GERRISELLOIDES

HUNGERFORD AND MATSUDA,

1958

+*lateralis* Schummel, 1832

Footnote: recorded from Cos Dublin and
Kerry by Pearce and Walton (1939).

LIMNOPORUS STÅL, 1868

rufoscutellatus (Latreille, 1807)

Synonymy: *in Gerris* in Halbert (1935).

LEPTOPODOMORPHA

SALDOIDEA

13. AEOPHILIDAE

AEOPHILUS SIGNORET, 1879

bonnairei Signoret, 1879

14. SALDIDAE

CHILOXANTHINAE

CHILOXANTHUS REUTER, 1891

pilosus (Fallén, 1807)

Synonymy: *in Salda* in Halbert (1935).

SALDINAE

SALDINI

SALDA FABRICIUS, 1803

littoralis (Linnaeus, 1758)

morio Zetterstedt, 1838

muelleri (Gmelin, 1790)

Synonymy: *Salda oculata* Müller, 1776 in
Halbert (1935).

SALDOIDINI

CHARTOSCIRTA STÅL, 1868

cincta (Herrich-Schaeffer, 1841)

subspecies *cincta* (Herrich-
Schaeffer, 1841)

Synonymy: *in Salda* in Halbert (1935).

elegantula (Fallén, 1807)

subspecies *longicornis* (Jakovlev,
1882)

Synonymy: *in Salda* in Halbert (1935).

HALOSALDA REUTER, 1912

lateralis (Fallén, 1807)

Synonymy: *in Salda* in Halbert (1935).

MACROSALDULA LESTON AND

SOUTHWOOD, 1964

scotica (Curtis, 1835)

Synonymy: *in Salda* in Halbert (1935).

SALDULA VAN DUZEE, 1914

+*connemarae* Walton, 1986

Footnote: recorded from Co. Galway by
Walton (1986). Péricart (1990) considered
this to be a local phenotypic form of
Saldula saltatoria.

+*opacula* (Zetterstedt, 1838)

Footnote: recorded from Cos Armagh,
Cork, Donegal and Dublin by Walton
(1966).

orthochila (Fieber, 1859)

Synonymy: *in Salda in* Halbert (1935).

[*pallipes* (Fabricius, 1794)]

Synonymy: *in Salda in* Halbert (1935).

Footnote: this species requires confirmation (Walton, 1966).

palustris (Douglas, 1874)

Synonymy: *in Salda in* Halbert (1935).

pilosella (Thomson, 1871)

subspecies *pilosella* (Thomson, 1871)

Synonymy: *in Salda in* Halbert (1935).

saltatoria (Linnaeus, 1758)

Synonymy: *in Salda in* Halbert (1935).

CIMICOMORPHA

TINGOIDEA

15. TINGIDAE

TINGINAE

ACALYPTA WESTWOOD, 1840

brunnea (Germar, 1837)

carinata (Panzer, 1806)

Synonymy: *Acalypta cervina* Germar, 1837 *in* Halbert (1935).

[*nigrina* (Fallén, 1807)]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

DEREPHYSIA SPINOLA, 1837

SUBGENUS *DEREPHYSIA* SPINOLA, 1837

foliacea Fallén, 1807

subspecies *foliacea* Fallén, 1807

DICTYLA STÅL, 1874

convergens (Herrich-Schaeffer, 1835)

Synonymy: *Monanthia humuli*: auctt. nec (Fabricius, 1794) *in* Halbert (1935).

KALAMA PUTON, 1876

tricornis (Schränk, 1801)

Synonymy: *in Dictyonota in* Halbert (1935).

TINGIS FABRICIUS, 1803

SUBGENUS *TINGIS* FABRICIUS, 1803

cardui (Linnaeus, 1758)

MIROIDEA

16. MICROPHYSIDAE

LORICULA CURTIS, 1833

Synonymy: Aukema and Rieger (1999) give generic status to *Loricula* and *Myrmedobia*.

SUBGENUS *LORICULA* CURTIS, 1833

elegantula (Baerensprung, 1858)

Synonymy: *in Microphysa in* Halbert (1935).

+*pselaphiformis* Curtis, 1833

Footnote: recorded from Co. Down by Massee (1958).

SUBGENUS *MYRMEDOBIA*

BAERENSPRUNG, 1857

exilis Fallén, 1807

Synonymy: *Myrmedobia tenella* (Zetterstedt, 1828) *in* Halbert (1935).

inconspicua (Douglas and Scott,

1871)

17. MIRIDAE

BRYOCORINAE

BRYOCORINI

BRYOCORIS FALLÉN, 1829

pteridis (Fallén, 1807)

MONALOCORIS DAHLBOM, 1851

SUBGENUS *MONALOCORIS*

DAHLBOM, 1851

filicis (Linnaeus, 1758)

DICYPHINI

CAMPYLONEURA FIEBER, 1858

virgula (Herrich-Schaeffer, 1835)

DICYPHUS FIEBER, 1858

SUBGENUS *DICYPHUS* FIEBER, 1858

+*constrictus* (Boheman, 1852)

Footnote: recorded from Co. Kerry by Kirby (1983).

epilobii Reuter, 1883

errans (Wolff, 1804)

stachydis J. Sahlberg, 1878

subspecies *stachydis* J. Sahlberg, 1878

SUBGENUS *IDOLOCORIS* DOUGLAS AND SCOTT, 1865

pallicornis (Fieber, 1861)

Synonymy: *Dicyphus pallidicornis* Fieber in Halbert (1935).

MACROLOPHUS FIEBER, 1858

pygmaeus (Rambur, 1839)

Synonymy: *Macrolophus nubilus* Herrich-Schaeffer, 1835 in Halbert (1935).

DERAEOCORINAE

CLIVINEMATINI

BOTHYNOTUS FIEBER, 1864

+*pilosus* (Boheman 1852)

Footnote: recorded from Co. Clare by Aukema *et al.* (2007).

DERAEOCORINI

DERAEOCORIS KIRSCHBAUM, 1856

SUBGENUS *DERAEOCORIS*

KIRSCHBAUM, 1856

[*ruber* (Linnaeus, 1758)]

Synonymy: *in Capsus* in Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since the nineteenth century and may be extinct.

+*scutellaris* (Fabricius, 1794)

Footnote: recorded from Co. Kildare by Aukema *et al.* (2007).

MIRINAE

MIRINI

ADELPHOCORIS REUTER, 1896

lineolatus (Goeze, 1778)

seticornis (Fabricius, 1775)

APOLYGUS CHINA, 1941

lucorum (Meyer-Dür, 1843)

Synonymy: *in Lygus* in Halbert (1935).

spinolae (Meyer-Dür, 1841)

Synonymy: *in Lygus* in Halbert (1935).

CALOCORIS FIEBER, 1858

roseomaculatus (De Geer, 1773)
subspecies *roseomaculatus* (De Geer, 1773)

CAMPTOZYGUM REUTER, 1896

aequale (Villers, 1789)

Synonymy: *Camptozygum pinastri* (Fallén, 1807) *in* Halbert (1935).

CAPSODES DAHLBOM, 1851

[*flavomarginatus* (Donovan, 1798)]

Synonymy: *in Lophus* *in* Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

CAPSUS FABRICIUS, 1803

ater (Linnaeus, 1758)

Synonymy: *in Rhopalotomus* *in* Halbert (1935).

CHARAGOCHILUS FIEBER, 1858

SUBGENUS CHARAGOCHILUS

FIEBER, 1858

gyllenhalii (Fallén, 1807)

CLOSTEROTOMUS FIEBER, 1858

norwegicus (Gmelin, 1790)

Synonymy: *in Calocoris* *in* Halbert (1935).

DICHROOSCYTUS FIEBER, 1858

rufipennis (Fallén, 1807)

GRYPOCORIS DOUGLAS AND

SCOTT, 1868

SUBGENUS LOPHYROMIRIS

WAGNER, 1958

stysi (Wagner, 1968)

Synonymy: *Calocoris sexguttatus* nec Fabricius, 1777 *in* Halbert (1935).

LIOCORIS FIEBER, 1858

tripustulatus (Fabricius, 1781)

LYGOCORIS REUTER, 1875

SUBGENUS LYGOCORIS REUTER, 1875

pabulinus (Linnaeus, 1761)

Synonymy: *in Lygus* *in* Halbert (1935).

rugicollis (Fallén, 1807)

Synonymy: *in Plesiocoris* *in* Halbert (1935).

SUBGENUS NEOLYGUS KNIGHT, 1917

contaminatus Fallén, 1807

Synonymy: *in Lygus* *in* Halbert (1935).

viridis (Fallén, 1807)

Synonymy: *in Lygus* *in* Halbert (1935).

LYGUS HAHN, 1833

+*maritimus* Wagner, 1949

Footnote: recorded from Ireland by Aukema and Rieger (1999). Reported from Cos Antrim, Clare, Down and Offaly by Aukema *et al.* (2007).

[*pratensis* (Linnaeus, 1758)]

Footnote: requires confirmation. The keys in Southwood and Leston (1959) are incorrect for this species (Woodroffe, 1966).

[+*punctatus* (Zetterstedt, 1838)]

Footnote: recorded by Masee (1964).

Stelfox (1965) reported the species from Cos Down and Dublin. Requires confirmation, the keys in Southwood and Leston (1959) are incorrect for this species (Woodroffe, 1966).

+*rugulipennis* Poppius, 1911

Footnote: recorded by Southwood and Leston (1959). Lansbury (1965) reported the species from Co. Clare.

+*wagneri* Remane, 1955

Footnote: recorded from Co. Clare by Morris (1967).

MIRIS FABRICIUS, 1794

***striatus* (Linnaeus, 1758)**

Synonymy: *in Pycnopterna* in Halbert (1935).

ORTHOPS FIEBER, 1858

SUBGENUS ORTHOPS FIEBER, 1858

+*basalis* (A. Costa, 1853)

Footnote: recorded from Co. Offaly by Aukema *et al.* (2007).

***campestris* (Linnaeus, 1758)**

Synonymy: *Lygus pastinacae* Fallén, 1807 *in* Halbert (1935).

***kalmii* (Linnaeus, 1758)**

Synonymy: *in Lygus* in Halbert (1935).

PANTILIUS CURTIS, 1833

SUBGENUS PANTILIUS CURTIS, 1833

***tunicatus* (Fabricius, 1781)**

PHYTOCORIS FALLÉN, 1814

SUBGENUS KTENOCORIS WAGNER,

1954

***ulmi* (Linnaeus, 1758)**

***varipes* Boheman, 1852**

SUBGENUS PHYTOCORIS FALLÉN, 1814

***dimidiatus* Kirschbaum, 1856**

***longipennis* Flor, 1861**

***populi* (Linnaeus, 1758)**

+*reuteri* Saunders, 1876

Footnote: recorded from Co. Armagh by Masee (1958).

***tiliae* (Fabricius, 1777)**

subspecies *tiliae* (Fabricius, 1777)

PINALITUS KELTON, 1955

***atomarius* (Meyer-Dür, 1843)**

Synonymy: *in Lygus* in Halbert (1935).

***cervinus* (Herrich-Schaeffer, 1841)**

Synonymy: *in Lygus* in Halbert (1935).

***rubricatus* (Fallén, 1807)**

Synonymy: *in Lygus* in Halbert (1935).

POLYMERUS HAHN, 1831

SUBGENUS POECILOSCYTUS FIEBER, 1858

***palustris* (Reuter, 1907)**

Footnote: *in Poeciloscytus* in Halbert (1935).

SUBGENUS POLYMERUS HAHN, 1831

+*nigrita* (Fallén, 1807)

Footnote: recorded from Co. Kildare by Stelfox (1965).

RHABDOMIRIS WAGNER, 1968

striatellus (Fabricius, 1794)

subspecies *striatellus* (Fabricius, 1794)

Synonymy: *Calocoris ochromelas* nec (Gmelin, 1788) in Halbert (1935).

STENOTUS JAKOVLEV, 1877

binotatus (Fabricius, 1794)

STENODEMINI

LEPTOPTERNA FIEBER, 1858

dolabrata (Linnaeus, 1758)

ferrugata (Fallén, 1807)

NOTOSTIRA FIEBER, 1858

erratica (Linnaeus, 1758)

PITHANUS FIEBER, 1858

maerkelii (Herrich-Schaeffer, 1838)

Synonymy: *Pithanus maerkeli* in Halbert (1935).

STENODEMA LAPORTE, 1833

SUBGENUS BRACHYSTIRA FIEBER, 1858

calcarata (Fallén, 1807)

SUBGENUS STENODEMA LAPORTE, 1833

holsata (Fabricius, 1787)

laevigata (Linnaeus, 1758)

TERATOCORIS FIEBER, 1858

saundersi Douglas and Scott, 1869

subspecies *saundersi* Douglas and Scott, 1869

viridis Douglas and Scott, 1867

TRIGONOTYLUS FIEBER, 1858

ruficornis (Geoffroy, 1785)

ORTHOTYLINEAE

HALTICINI

ORTHOCEPHALUS FIEBER, 1858

coriaceus (Fabricius, 1777)

Synonymy: *Orthocephalus mutabilis* (Fallén, 1807) in Halbert (1935).

saltator (Hahn, 1835)

PACHYTOMELLA REUTER, 1890

parallela (Meyer-Dür, 1843)

ORTHOTYLINI

BLEPHARIDOPTERUS KOLENATI, 1845

angulatus (Fallén, 1807)

Synonymy: in *Aetorhinus* (sic) in Halbert (1935).

CYLLECORIS HAHN, 1834

histrionius (Linnaeus, 1767)

Synonymy: *Cyllecoris histrionicus* (misspelling) in Halbert (1935).

CYRTORHINUS FIEBER, 1858

caricis (Fallén, 1807)

DRYOPHILOCORIS REUTER, 1875

SUBGENUS DRYOPHILOCORIS

REUTER, 1875

[*flavoquadrinaculatus* (De Geer, 1773)]

Synonymy: *Cyllecoris flavonotatus* Boheman, 1852 in Halbert (1935).

Note: unconfirmed *in* Halbert (1935) and *in* Alexander and Foster (2000).

FIEBEROCAPSUS CARVALHO AND SOUTHWOOD, 1955

flaveolus (Reuter, 1870)

Synonymy: *in Cyrtorrhinus in* Halbert (1935).

GLOBICEPS LEPELETIER AND SERVILLO, 1825

SUBGENUS KELIDOCORIS

KOLENATI, 1845

flavomaculatus (Fabricius, 1794)

fulvicollis Jakovlev, 1877

Synonymy: *Globiceps cruciatus* Reuter, 1879 *in* Halbert (1935).

Footnote: the Irish status of the species was considered doubtful by Halbert(1935). Found in Co. Clare by Aukema *et al.* (2007).

HETEROCORDYLUS FIEBER, 1858

SUBGENUS HETEROCORDYLUS

FIEBER, 1858

tibialis (Hahn, 1833)

HETEROTOMA LEPELETIER AND SERVILLO, 1825

planicornis (Pallas, 1772)

Synonymy: *Heterotoma merioptera* (Scopoli, 1763) *in* Halbert (1935).

MALACOCORIS FIEBER, 1858

chlorizans (Panzer, 1794)

MECOMMA FIEBER, 1858

SUBGENUS GLOBICELLUS

KIRITSHENKO, 1951

dispar (Boheman, 1852)

Synonymy: *in Globiceps in* Halbert (1935).

SUBGENUS MECOMMA FIEBER, 1858

ambulans (Fallén, 1807)

subspecies *ambulans* (Fallén, 1807)

ORTHOTYLUS FIEBER, 1858

SUBGENUS LITOCORIS FIEBER, 1860

ericetorum (Fallén, 1807)

subspecies *ericetorum* (Fallén, 1807)

SUBGENUS MELANOTRICHUS

REUTER, 1875

flavosparsus (C. R. Sahlberg, 1841)

SUBGENUS ORTHOTYLUS FIEBER, 1858

flavinervis (Kirschbaum, 1856)

marginalis Reuter, 1883

nassatus (Fabricius, 1787)

ochrotrichus Fieber, 1864

prasinus (Fallén, 1826)

tenellus (Fallén, 1807)

viridinervis (Kirschbaum, 1856)

SUBGENUS PACHYLOPS FIEBER, 1858

adenocarpi (Perris, 1857)

subspecies *adenocarpi* (Perris, 1857)

concolor (Kirschbaum, 1856)
virescens (Douglas and Scott, 1865)
Synonymy: *Orthotylus chloropterus* Kirschbaum, 1856 in Halbert (1935).
SUBGENUS PSEUDORTHOTYLUS POPPIUS, 1914
bilineatus (Fallén, 1807)
PLATYCRANUS FIEBER, 1870
SUBGENUS GENISTOCAPSUS WAGNER, 1956
+bicolor (Douglas and Scott, 1868)
Synonymy: in *Pachylops* in Masee (1958).
Footnote: recorded from Co. Down by Masee (1958).
PHYLINAE
HALLODAPINI
HALLODAPUS FIEBER, 1858
rufescens (Burmeister, 1835)
Synonymy: in *Allodapus* in Halbert (1935).
PHYLINI
ASCIODEMA REUTER, 1878
obsoleta (Fieber, 1864)
ATRACTOTOMUS FIEBER, 1858
magnicornis (Fallén, 1807)
CHLAMYDATUS CURTIS, 1833
SUBGENUS EUATTUS KERZHNER, 1962

pullus (Reuter, 1870)
COMPSIDOLON REUTER, 1899
SUBGENUS CONIORTODES WAGNER, 1952
salicellum (Herrich-Schaeffer, 1841)
Synonymy: in *Psallus* in Halbert (1935).
CONOSTETHUS FIEBER, 1858
+brevis Reuter, 1877
Footnote: recorded from Co. Down by Nelson (1988).
+griseus Douglas and Scott, 1870
Synonymy: *Conostethus friscus* Wagner, 1952 in Aukema and Reiger (1999).
Footnote: recorded from Ireland by Aukema and Reiger (1999) who give no locality.
HARPOCERA CURTIS, 1838
thoracica (Fallén, 1807)
MACROTYLUS FIEBER, 1858
SUBGENUS ALLOEONYCHA REUTER, 1904
paykullii (Fallén, 1807)
MEGALOCOLEUS REUTER, 1890
molliculus (Fallén, 1807)
ORTHONOTUS STEPHENS, 1829
rufifrons (Fallén, 1807)
Footnote: in *Byrsoptera* in Halbert (1935).
PHYLUS HAHN, 1831
SUBGENUS PHYLUS HAHN, 1831
coryli (Linnaeus, 1758)
Footnote: Halbert (1935) also records the

variety *avellanae* Meyer-Dür, 1841.

melanocephalus (Linnaeus, 1767)

palliceps Fieber, 1861

PLAGIOGNATHUS FIEBER, 1858

SUBGENUS *PLAGIOGNATHUS*

FIEBER, 1858

arbustorum (Fabricius, 1794)

subspecies *arbustorum*

(Fabricius, 1794)

chrysanthemi (Wolff, 1804)

PLESIODEMA REUTER, 1875

+*pinetella* (Zetterstedt, 1828)

Footnote: recorded from Co. Down by Alexander and Foster (2000).

PSALLODEMA V. G. PUTSHKOV, 1970

fieberi (Fieber, 1864)

Synonymy: *in Asciodema in* Halbert (1935).

PSALLUS FIEBER, 1858

SUBGENUS *APOCREMNUS* FIEBER, 1858

betuleti (Fallén, 1826)

subspecies *betuleti* (Fallén, 1826)

SUBGENUS *HYLOPSALLUS*

WAGNER, 1952

+*perrisi* (Mulsant and Rey, 1852)

Footnote: recorded from Co. Wicklow by Stelfox (1965).

variabilis (Fallén, 1807)

+*wagneri* Ossiannilsson, 1953

Footnote: recorded from Co. Antrim by

Alexander and Foster (2000).

SUBGENUS *MESOPSALLUS*

WAGNER, 1970

ambiguus (Fallén, 1807)

SUBGENUS *PHYLIDEA* REUTER, 1899

quercus (Kirschbaum, 1856)

SUBGENUS *PSALLUS* FIEBER, 1858

+*confusus* Rieger, 1981

Footnote: recorded from Ireland by Aukema and Rieger (1999). Reported from Co. Galway by Aukema and Aukema (2001).

falleni Reuter, 1883

+*flavellus* Stichel, 1933

Footnote: recorded from Co. Armagh by Alexander and Foster (1999).

haematodes (Gmelin, 1790)

Synonymy: *Psallus roseus* Fabricius, 1777 *in* Halbert (1935).

lepidus Fieber, 1858

mollis (Mulsant and Rey, 1852)

Synonymy: *Psallus diminutus* (Kirschbaum, 1856) *in* Halbert (1935).

salicis (Kirschbaum, 1856)

Synonymy: *Psallus alnicola* Douglas and Scott, 1871 *in* Halbert (1935).

varians (Herrich-Schaeffer, 1841)

subspecies *varians* (Herrich-Schaeffer, 1841)

TYTTHUS FIEBER, 1864

+*pubescens* (Knight, 1931)

Footnote: recorded from Cos Clare, Down and Galway by Aukema *et al.* (2007).

pygmaeus (Zetterstedt, 1838)

Synonymy: *in Cyrtorrhinus* in Halbert (1935).

CIMICOIDEA

18. NABIDAE

NABINAE

NABINI

HIMACERUS WOLFF, 1811

SUBGENUS *ANAPTUS* KERZHNER, 1968

major (A. Costa, 1842)

Synonymy: *in Nabis* in Halbert (1935).

SUBGENUS *APTUS* HAHN, 1831

mirmicoides (O. Costa, 1834)

Synonymy: *Nabis lativentris* Boheman, 1852 in Halbert (1935).

SUBGENUS *STALIA* REUTER, 1872

boops (Schiodte, 1870)

Footnote: recorded from Co. Galway by Aukema *et al.* (2007).

NABIS LATREILLE, 1802

SUBGENUS *DOLICHONABIS* REUTER, 1908

limbatus Dahlbom, 1851

SUBGENUS *LIMNONABIS*

KERZHNER, 1968

lineatus Dahlbom, 1851

SUBGENUS *NABICULA* KIRBY, 1837

flavomarginatus Scholtz, 1847

SUBGENUS *NABIS* LATREILLE, 1802

ericetorum Scholtz, 1847

ferus (Linnaeus, 1758)

rugosus (Linnaeus, 1758)

19. ANTHOCORIDAE

ANTHOCORINAE

ANTHOCORINI

ACOMPOCORIS REUTER, 1875

+*alpinus* Reuter, 1875

Footnote: recorded from Co. Kerry by Kirby (1983).

pygmaeus (Fallén, 1807)

ANTHOCORIS FALLÉN, 1814

+*butleri* Le Quesne, 1954

Synonymy: *Anthocoris nemoralis butleri* Le Quesne, 1954 in Judd (1986).

Footnote: recorded from Co. Wicklow by Judd (1986).

confusus Reuter, 1884

gallarumulmi (De Geer, 1773)

limbatus Fieber, 1836

nemoralis (Fabricius, 1794)

nemorum (Linnaeus, 1761)

sarothamni Douglas and Scott, 1865

TEMNOSTETHUS FIEBER, 1860

SUBGENUS *TEMNOSTETHUS* FIEBER, 1860

+*gracilis* Horváth, 1907

Footnote: recorded from Co. Kerry by Kirby (1983).

+pusillus (Herrich-Schaeffer, 1835)

Footnote: recorded from Cos Galway, Kerry and Louth by O'Connor (1989).

+tibialis Reuter, 1888

Footnote: recorded from Co. Kildare by O'Connor (1989).

TETRAPHLEPS FIEBER, 1860

bicuspis (Herrich-Schaeffer, 1835)

Synonymy: *Tetraphleps vittata* (Fieber, 1836) in Halbert (1935).

ORIINI

ORIVUS WOLFF, 1811

SUBGENUS HETERORIVUS WAGNER, 1952

+laticollis (Reuter, 1884)

Footnote: recorded from Co. Clare by Aukema *et al.* (2007).

+majusculus (Reuter, 1879)

Footnote: recorded from Cos Down and Kildare by Stelfox (1965).

[minutus (Linnaeus, 1758)]

Synonymy: requires confirmation. There is confusion between *Orius minutus* and its siblings: *O. horvathi* (Reuter, 1884), *O. laticollis* (Reuter, 1884) and *O. vicinus* (Ribaut, 1923).

SUBGENUS ORIVUS WOLFF, 1811

+laevigatus (Fieber, 1860)

subspecies laevigatus (Fieber, 1860)

Footnote: recorded from Co. Kerry by Britten (1939).

niger (Wolff, 1811)

Synonymy: *Triphleps nigra* in Halbert (1935).

LYCTOCORINAE

LYCTOCORINI

LYCTOCORIS HAHN, 1936

campestris (Fabricius, 1794)

XYLOCORINI

DUFOURIELLUS KIRKALDY, 1906

+ater Dufour, 1833

Footnote: recorded from Co. Down by Alexander and Foster (1999).

XYLOCORIS DUFOUR, 1831

SUBGENUS PROXYLOCORIS

CARAYON, 1972

galactinus (Fieber, 1836)

Synonymy: in *Piezostethus* in Halbert (1935).

20. CIMICIDAE

CIMICINAE

CIMEX LINNAEUS, 1758

lectularius Linnaeus, 1758

pipistrelli Jenyns, 1839

OECIACUS STÅL, 1873

hirundinis (Lamarck, 1816)

REDUVIOIDEA

21. REDUVIIDAE

EMESINAE

PLOIARIOLINI

EMPICORIS WOLFF, 1811

culiciformis (De Geer, 1773)

Synonymy: *in Ploiariola* in Halbert (1935). Includes *Empicoris thermalis* Dispos (O'Connor and O'Connor, 1993).

vagabundus (Linnaeus, 1758)

Synonymy: *in Ploiariola* in Halbert (1935).

PENTATOMOMORPHA

ARADOIDEA

22. ARADIDAE

ARADINAE

ARADUS FABRICIUS, 1803

depressus (Fabricius, 1794)

subspecies *depressus* (Fabricius, 1794)

COREOIDEA

23. ALYDIDAE

ALYDUS FABRICIUS, 1803

calcaratus Linnaeus, 1758

Footnote: recorded from Co. Down by Nelson (1986).

24. COREIDAE

COREINAE

COREINI

COREUS FABRICIUS, 1794

marginatus Linnaeus, 1758

Synonymy: *in Syromastes* in Halbert (1935).

25. RHOPALIDAE

CORIZUS FALLÉN, 1814

hyoscyami (Linnaeus, 1758)

Synonymy: *in Therapha* in Halbert (1935).

LIORHYSSUS STÅL, 1870

hyalinus Fabricius, 1794

Synonymy: *in Corizus* in Halbert (1935).

[*RHOPALUS* SCHILLING, 1827

SUBGENUS *RHOPALUS* SCHILLING, 1827]

[*parumpunctatus* Schilling, 1829]

Synonymy: *in Corizus* in Halbert (1935).

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

26. STENOCEPHALIDAE

DICRANOCEPHALUS HAHN, 1826

agilis (Scopoli, 1763)

Synonymy: *in Stenocephalus* in Halbert (1935).

LYGAEOIDEA

27. BERYTIDAE

BERYTINAE

BERYTINI

NEIDES LATREILLE, 1802

tipularius (Linnaeus, 1758)

BERYTININI

BERYTINUS KIRKALDY, 1900
SUBGENUS BERYTINUS KIRKALDY,
1900

minor (Herrich-Schaeffer, 1835)

Synonymy: *in Berytus* in Halbert (1935).

SUBGENUS LIZINUS MULSANT AND
REY, 1870

+*montivagus* (Meyer-Dur, 1841)

Footnote: recorded from Co. Dublin by Douglas and Scott (1865) but overlooked by Halbert (1935). Records from Cos Clare and Cork are given *in* O’Connor, O’Connor and de Courcy Williams (1988).

signoreti (Fieber, 1859)

Synonymy: *in Berytus* in Halbert (1935).

GAMPSOCORINAE
GAMPSOCORINI
GAMPSOCORIS FUSS, 1852

punctipes (Germar, 1822)

Synonymy: *in Metacanthus* in Halbert (1935).

METACANTHINAE
METATROPINI
METATROPIS FIEBER. 1859

rufescens (Herrich-Schaeffer, 1835)

Footnote: recorded from Co. Galway by Stelfox (1938).

28. LYGAEIDAE

ARTHENEINAE
ARTHENEINI
CHILACIS FIEBER, 1864

typhae (Perris, 1857)

BLISSINAE
ISCHNODEMUS FIEBER, 1837
sabuleti (Fallén, 1826)

CYMINAE
CYMINI
CYMUS HAHN, 1832
clavicolus (Fallén, 1807)
glandicolor Hahn, 1832

HETEROGASTRINAE
[HETEROGASTER SCHILLING, 1829]
[urticae (Fabricius, 1775)]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

ISCHNORHYNCHINAE
KLEIDOCERYS STEPHENS, 1829
+ericae (Horváth, 1908)

Footnote: recorded from Co. Meath by Stelfox (1965).

resedae (Panzer, 1797)
Synonymy: *in Ischnorhynchus* in Halbert (1935).

ORSILLINAE

NYSIINI

NYSIUS DALLAS, 1852

thymi (Wolff, 1804)

RHYPAROCHROMINAE

DRYMINI

DRYMUS FIEBER, 1860

SUBGENUS *DRYMUS* FIEBER, 1860

+*pilicornis* (Mulsant and Rey,
1852)

Footnote: recorded from Co. Offaly by
Aukema *et al.* (2007).

SUBGENUS *SYLVADRYMUS* LE

QUESNE, 1956

brunneus (R. F. Sahlberg, 1848)
subspecies *brunneus* (R. F.
Sahlberg, 1848)
ryeii Douglas and Scott, 1865

Synonymy: *Drymus sylvaticus* var. *ryeii*
Douglas and Scott, 1865 *in* Halbert (1935).

sylvaticus (Fabricius, 1775)

GASTRODES WESTWOOD, 1840

grossipes (De Geer, 1773)
subspecies *grossipes* (De Geer,
1773)

Synonymy: *Gastrodes ferrugineus*
(Linnaeus, 1767) nec (Scopoli, 1763) *in*
Halbert (1935).

ISCHNOCORIS FIEBER, 1860

angustulus (Boheman, 1852)

LAMPROPLAX DOUGLAS AND

SCOTT, 1868

picea (Flor, 1860)

Synonymy: *in Drymus in* Halbert (1935).

SCOLOPOSTETHUS FIEBER, 1860

affinis (Schilling, 1829)

decoratus (Hahn, 1833)

+*grandis* Horváth, 1880

Synonymy: *Scolopstethus* (misspelling) *in*
Nelson (1997).

Footnote: recorded from Co. Armagh by
Nelson (1997).

+*puberulus* Horváth, 1887

Footnote: recorded from Co. Wexford by
O'Connor (1986).

thomsoni Reuter, 1875

Synonymy: *Scolopostethus thompsoni*
(misspelling) Reuter *in* Halbert (1935).

TAPHROPELTUS STÅL, 1872

contractus (Herrich-Schaeffer,
1835)

Synonymy: *in Notochilus in* Halbert
(1935).

GONIANOTINI

MACRODEMA FIEBER, 1860

microptera (Curtis, 1836)

TRAPEZONOTUS FIEBER, 1860

**SUBGENUS *TRAPEZONOTUS*
FIEBER, 1860**

arenarius (Linnaeus, 1758)

subspecies *arenarius* (Linnaeus,
1758)

MEGALONOTINI

MEGALONOTUS FIEBER, 1860

chiragra (Fabricius, 1794)

Synonymy: *in Rhyparochromus* in Halbert (1935).

dilatatus (Herrich-Schaeffer, 1840)

Synonymy: *in Rhyparochromus* in Halbert (1935).

MYODOCHINI

PACHYBRACHIUS HAHN, 1826

fracticollis (Schilling, 1829)

Synonymy: *in Pamera* in Halbert (1935).

PLINTHISINI

PLINTHISUS STEPHENS, 1829

SUBGENUS *PLINTHISUS* STEPHENS, 1829

brevipennis (Latreille, 1807)

RHYPAROCHROMINI

PERITRECHUS FIEBER, 1860

[*geniculatus* Hahn, 1832]

Footnote: requires confirmation. This species has not been recorded since Haliday and may be extinct.

lundii (Gmelin, 1790)

Synonymy: *Peritrechus sylvestris* (Fabricius, 1781) *in* Halbert (1935).

STYGNOCORINI

ACOMPUS FIEBER, 1860

rufipes (Wolff, 1804)

LASIOSOMUS FIEBER, 1860

enervis Herrich-Schaeffer, 1835

STYGNOCORIS DOUGLAS AND SCOTT, 1865

fuliginus (Geoffroy, 1785)

rusticus (Fallén, 1807)

sabulosus (Schilling, 1829)

Synonymy: *Stygnocoris pedestris* (Fallén, 1807) *in* Halbert (1935).

29. {PYRRHOCORIDAE}

{*PYRRHOCORIS* FALLÉN, 1814}

{*apterus* Linnaeus, 1758}

Footnote: recorded once as an accidental import amongst bananas in a Dublin fruit market by O’Connor and Nash (1983). A southern European species with one permanent population in Britain.

PENTATOMOIDEA

30. ACANTHOSOMATIDAE

ACANTHOSOMATINAE

ACANTHOSOMA CURTIS, 1824

haemorrhoidale (Linnaeus, 1758)

CYPHOSTETHUS FIEBER, 1860

+*tristriatus* (Fabricius, 1787)

Footnote: recorded from Co. Dublin by O’Connor and Ashe (1996).

ELASMOSTETHUS FIEBER, 1860

interstinctus (Linnaeus, 1758)

Synonymy: *in Acanthosoma* in Halbert (1935).

ELASMUCHA STÅL, 1864

grisea (Linnaeus, 1758)

Synonymy: *in Elasmostethus* in Halbert (1935).

31. CYDNIDAE
SEHIRINAE
SEHIRINI
SEHIRUS AMYOT AND SERVILLE,
1843
luctuosus Mulsant and Rey, 1866

32. PENTATOMIDAE
SUBFAMILY ASOPINAE
PICROMERUS AMYOT AND
SERVILLE, 1843
bidens (Linnaeus, 1758)
RHACOGNATHUS FIEBER, 1860
punctatus (Linnaeus, 1758)
Footnote: confirmed as Irish by Anderson
(2006).
TROILUS STÅL, 1867
luridus (Fabricius, 1775)
ZICRONA AMYOT AND SERVILLE,
1843
caerulea (Linnaeus, 1758)

SUBFAMILY PENTATOMINAE
CARPOCORINI
DOLYCORIS MULSANT AND REY,
1866
baccarum (Linnaeus, 1758)
Synonymy: *in Dorycoris* in Halbert (1935).
PALOMENA MULSANT AND REY,
1866
prasina Linnaeus, 1761

PENTATOMINI
{*NEZARA* AMYOT AND SERVILLE,
1843}
{*viridula* Linnaeus, 1758}
Footnote: this cosmopolitan species was
recorded as an accidental import from Co.
Dublin by O’Connor and Nash (1986).
PENTATOMA OLIVIER, 1789
SUBGENUS *PENTATOMA* OLIVIER,
1789
rufipes (Linnaeus, 1758)
PIEZODORINI
PIEZODORUS FIEBER, 1861
lituratus (Fabricius, 1794)
{STRACHIINI}
{*EURYDEMA* LAPORTE, 1833}
{SUBGENUS *EURYDEMA* LAPORTE,
1833}
{*ornata* (Linnaeus, 1758)}
Footnote: recorded as an accidental import
from grapes in Co. Dublin by O’Connor
and Nash (1986). The species is found
throughout southern and central Europe.

33. SCUTELLERIDAE
EURYGASTRINAE
EURYGASTER LAPORTE, 1833
testudinaria (Geoffroy, 1785)

34. THYREOCORIDAE
THYREOCORINAE
THYREOCORIS SCHRANK, 1801

scarabaeoides (Linnaeus, 1758)

PIESMATOIDEA

35. PIESMATIDAE

***PARAPIESMA* PERICART, 1974**

quadratum (Fieber, 1844)

Synonymy: *in Piesma* in Halbert (1935).

***PIESMA* LEPELETIER AND
SERVILLE, 1828**

maculatum Laporte, 1833

HEMIPTERA

AUCHENORRHYNCHA

The Irish Auchenorrhyncha were listed by de Courcy Williams (1989). For completeness, names used by Halbert (1935) are included. The group includes the leafhoppers, treehoppers, planthoppers. and spittlebugs. All the species are plant-feeders, and many are vectors of viral and fungal diseases of plants.

FULGOROMORPHA

1. CIXIIDAE

CIXIINAE

CIXIINI

***CIXIUS* LATREILLE, 1804**

**SUBGENUS *ACANTHOCIXIUS*,
WAGNER 1939**

similis Kirschbaum, 1868

Synonymy: *Cixius stigmaticus* (Germar, 1818) misidentification *in* Halbert (1935).

**SUBGENUS *CERATOCIXIUS*
WAGNER, 1939**

cunicularius (Linnaeus, 1767)

**SUBGENUS *CIXIUS* LATREILLE,
1804**

nervosus (Linnaeus, 1758)

**SUBGENUS *PARACIXIUS* WAGNER,
1939**

distinguendus Kirschbaum, 1868

Synonymy: *Cixius bracycranus* Scott,

1870 *in* Halbert (1935).

***TACHYCIXIUS* WAGNER, 1939**

pilosus (Olivier, 1791)

Synonymy: *in Cixius* in Halbert (1935).

PENTASTIRINI

PENTASTIRINA

***PENTASTIRIDIUS* KIRSCHBAUM,
1868**

**SUBGENUS *PENTASTIRIDIUS*
KIRSCHBAUM, 1868**

leporinus (Linnaeus, 1761)

Synonymy: *in Oliaris* in Halbert (1935).

2. DELPHACIDAE

DELPHACINAE

DELPHACINI

***CALLIGYPONA* SAHLBERG, 1871**

reyi (Fieber, 1866)

***CHLORIONA* FIEBER, 1866**

***smaragdula* (Stål, 1853)**
Synonymy: *Chloriona prasinula* Fieber, 1872 in Halbert (1935).
CONOMELUS FIEBER, 1866
***anceps* (Germar, 1821)**
Synonymy: *Conomelus limbatus*: (Boheman, 1845) misidentification in Halbert (1935).
CRIOMORPHUS CURTIS, 1833
***albomarginatus* Curtis, 1833**
Synonymy: in *Stiroma* in Halbert (1935).
DELPHACINUS FIEBER, 1866
***mesomelas* (Boheman, 1850)**
DELPHAX FABRICIUS, 1798
***pulchellus* (Curtis, 1833)**
Synonymy: in *Araeopus* in Halbert (1935).
DICRANOTROPIS FIEBER, 1866
SUBGENUS **DICRANOTROPIS FIEBER, 1866**
***hamata* (Boheman, 1847)**
DITROPIS KIRSHBAUM, 1868
***pteridis* (Spinola, 1839)**
Synonymy: in *Stiroma* in Halbert (1935).
EUCONOMELUS HAUPT, 1929
***lepidus* (Boheman, 1847)**
Synonymy: in *Conomelus* in Halbert (1935).
EURYSA FIEBER, 1866
***lineata* (Perris, 1857)**
FLORODELPHAX VILBASTE, 1968
***leptosoma* (Flor, 1861)**
Synonymy: in *Delphax* in Halbert (1935).

HYLEDELPHAX VILBASTE, 1968
***elegantulus* (Boheman, 1847)**
JAVESELLA FENNAH, 1963
SUBGENUS **JAVESELLA FENNAH, 1963**
***discolor* (Boheman, 1847)**
Synonymy: in *Delphax* in Halbert (1935).
***dubia* (Kirschbaum, 1868)**
Synonymy: *Delphax difficilis* (Edwards, 1888) in Halbert (1935).
***forcipata* (Boheman, 1847)**
Synonymy: in *Delphax* in Halbert (1935).
***obs curella* (Boheman, 1847)**
Synonymy: *Delphax discreta* (Edwards, 1888) in Halbert (1935).
***pellucida* (Fabricius, 1794)**
Synonymy: in *Delphax* in Halbert (1935).
LAODELPHAX FENNAH, 1963
***striatellus* (Fallén, 1826)**
MEGAMELODES LE QUESNE, 1960
***quadr imaculatus* (Signoret, 1865)**
Synonymy: *Megamelus iv-maculatus* in Halbert (1935); also *Megamelus fieberi* (Scott, 1870) in Halbert (1935).
MEGAMELUS FIEBER, 1866
***notulus* (Germar, 1830)**
MUELLERIANELLA WAGNER, 1963
+extrusa (Scott, 1871)
Footnote: recorded from Cos Cork and Kerry by Kirby (1991).
***fairmairei* (Perris, 1857)**
Synonymy: in *Delphax* in Halbert (1935).

MUIRODELPHAX WAGNER, 1963

aubei (Perris, 1857)

Synonymy: *in Delphax in* Halbert (1935).

NOTHODELPHAX FENNAH, 1963

Synonymy: *Tyrphodelphax* Vilbaste, 1968
in de Courcy Williams (1989).

distinctus (Flor, 1861)

Synonymy: *in Delphax in* Halbert (1935).

ONCODELPHAX WAGNER, 1963

pullulus (Boheman, 1852)

PARADELPHACODES WAGNER, 1963

paludosus (Flor, 1861)

PARALIBURNIA JENSEN-HAARUP, 1917

adela (Flor, 1861)

Synonymy: *Delphax signoreti* (Scott, 1870) *in* Halbert (1935).

clypealis (Sahlberg, 1871)

STIROMA FIEBER, 1866

affinis Fieber, 1866

bicarinata (Herrich-Schäffer, 1835)

STRUEBINGIANELLA WAGNER, 1963

lugubrina (Boheman, 1847)

Synonymy: *in Delphax in* Halbert (1935).

XANTHODELPHAX WAGNER, 1963

+*stramineus* (Stål, 1858)

Footnote: recorded from Co. Wexford by Helden (2007c).

KELISIINAE

ANAKELISIA WAGNER, 1963

perspicillata (Boheman, 1845)

KELISIA FIEBER, 1866

guttula (Germar, 1818)

guttulifera (Kirschbaum, 1868)

pallidula (Boheman, 1847)

punctulum (Kirschbaum, 1868)

sabulicola Wagner, 1952

vittipennis (Sahlberg, 1868)

STENOCRANINAE

STENOCRANUS FIEBER, 1866

fuscovittatus (Stål, 1858)

longipennis (Curtis, 1837)

minutus (Fabricius, 1818)

Synonymy: Halbert (1935) gives

Stenocranus lineola (Germar, 1818) as a synonym.

3. ISSIDAE

ISSINAE

ISSINI

ISSINA

ISSUS FABRICIUS, 1803

coleoptratus (Fabricius, 1781)

CICADOMORPHA

CERCOPOIDEA

4. APHROPHORIDAE

APHROPHORA GERMAR, 1821

alni (Fallén, 1805)

major Uhler, 1896

Synonymy: *Aphrophora myricae* Edwards, 1926 *in* Halbert (1935); *Aphrophora alpina* Melichar, 1900 *in* de Courcy Williams (1989).

***salicina* (Goeze, 1778)**

Synonymy: *Aphrophora salicis* (Degeer, 1773) *in* Halbert (1935).

NEOPHILAENUS HAUPT, 1935

***campestris* (Fallén, 1805)**

***lineatus* (Linnaeus, 1758)**

PHILAENUS STÅL, 1864

***spumarius* (Linnaeus, 1758)**

Footnote: Halbert (1935) gives ten forms of the species.

MEMBRACOIDEA

5. CICADELLIDAE

AGALLIINAE

AGALLIINI

AGALLIA CURTIS, 1833

***brachyptera* (Boheman, 1847)**

Footnote: *in* Halbert (1935) but not *in* de Courcy Williams (1989).

ANACERATAGALLIA ZACHVATKIN, 1946

Synonymy: *Agallia* Curtis, 1833.

+*ribauti* (Ossiannilsson, 1938)

Synonymy: *in Anaceratagallia* (*Agallia*) *in* Helden (2005d).

Footnote: recorded from Co. Dublin by Helden (2005d).

***venosa* (Fourcroy, 1785)**

Synonymy: *Agallia venosa* (Fallén, 1806) *in* Halbert (1935) and *in* de Courcy Williams (1989).

APHRODINAE

ANOSCOPUS KIRSHBAUM, 1868

***albifrons* (Linnaeus, 1758)**

Synonymy: *in Acrocephalus* *in* Halbert (1935); *Acrocephalus limicola* (Edwards, 1908) *in* Halbert (1935).

***flavostriatus* (Donovan, 1799)**

Synonymy: *Acrocephalus flavostrigatus* Donovan *in* Halbert (1935).

***histrionicus* (Fabricius, 1794)**

Synonymy: *in Acrocephalus* *in* Halbert (1935).

APHRODES CURTIS, 1833

+*aestuarinus* (Edwards, 1908)

Footnote: recorded from Co. Dublin by Helden (2005a).

***bicinctus* (Schränk, 1776)**

Synonymy: *Acrocephalus nervosus* (Schränk, 1781) *in* Halbert (1935).

+*makarovi* Zachvatkin, 1948

Footnote: recorded from Cos Clare, Cork and Kerry by Kirby (1991).

PLANAPHRODES HAMILTON, 1975

***bifasciatus* (Linnaeus, 1758)**

Synonymy: *Acrocephalus tricinctus* (Curtis, 1836) *in* Halbert (1935).

STROGGYLOCEPHALUS FLOR, 1861

***agrestis* (Fallén, 1806)**

CICADELLINAE

CICADELLINI

CICADELLA LATREILLE, 1817

lasiocarpae Ossiannilsson, 1981
viridis (Linnaeus, 1758)

Synonymy: *in Tettigonia* Linnaeus, 1758
in Halbert (1935).

GRAPHOCEPHALA VAN DUZEE,
1916

fennahi Young, 1977

Synonymy: *Graphocephala coccinea* auctt.
nec Forster, 1771 misidentification.

EVACANTHINI

EVACANTHUS LE PELETIER AND
SERVILLE, 1825

acuminatus (Fabricius, 1794)

Synonymy: *in Euacanthus* Burmeister,
1835 *in* Halbert (1935).

interruptus (Linnaeus, 1758)

Synonymy: *in Euacanthus* Burmeister,
1835 *in* Halbert (1935).

DELTOCEPHALINAE

ATHYSANINI

ALLYGUS FIEBER, 1875

mixtus (Fabricius, 1794)

Synonymy: *in Jassus* *in* Halbert (1935).

CICADULA ZETTERSTEDT, 1840

SUBGENUS CICADULA

ZETTERSTEDT, 1840

aurantipes (Edwards, 1894)

persimilis (Edwards, 1920)

quadrinotata (Fabricius, 1794)

Synonymy: *Limotettix iv-notata* *in* Halbert
(1935).

SUBGENUS CYPERANA DELONG,
1936

intermedia (Boheman, 1845)

Synonymy: *in Limotettix* *in* Halbert
(1935); also *Limotettix lunulifrons* (J.
Sahlberg, 1871) *in* Halbert (1935).

SUBGENUS HENRIANA

EMELJANOV, 1964

frontalis (Herrich-Schäffer, 1835)

Synonymy: *Limotettix antennata*
(Boheman, 1845) *in* Halbert (1935).

CONOSANUS OSBORN AND BALL,
1902

obsoletus (Kirschbaum, 1858)

Synonymy: *in Athysanus* *in* Halbert (1935)
who gives the variety *piceus* Scott, 1875.

ELYMANA DELONG, 1936

sulphurella (Zetterstedt, 1828)

Synonymy: *in Limotettix* *in* Halbert (1935).

EUSCELIS BRULLÉ, 1832

incisus (Kirschbaum, 1858)

Synonymy: *Athysanus plebejus* (Fallén,
1806) *in* Halbert (1935).

lineolatus Brullé, 1832

Synonymy: *in Athysanus* *in* Halbert
(1935).

IDIODONUS BALL, 1936

cruentatus (Panzer, 1799)

Synonymy: *in Thamnotettix* in Halbert (1935).

LAMPROTETTIX RIBAUT, 1942

nitidulus (Fabricius, 1787)

Synonymy: *Thamnotettix splendidula* Fabricius, 1803 *in* Halbert (1935).

LIMOTETTIX J. SAHLBERG, 1871

striola (Fallén, 1806)

MACUSTUS RIBAUT, 1942

grisescens (Zetterstedt, 1828)

Synonymy: *in Athysanus* in Halbert (1935).

MOCYDIA EDWARDS, 1922

crocea (Herrich-Schäffer, 1837)

Synonymy: *in Thamnotettix* in Halbert (1935).

RHOPALOPYX RIBAUT, 1939

vitripennis (Flor, 1861)

Synonymy: *in Paluda* in de Courcy Williams (1989).

subspecies *hibernica* (Le Quesne, 1964)

SPEUDOTETTIX RIBAUT, 1942

subfuscus (Fallén, 1806)

Synonymy: *in Thamnotettix* in Halbert (1935).

STREPTANUS RIBAUT, 1942

aemulans (Kirschbaum, 1868)

Synonymy: *Athysanus sahlbergi* Reuter, 1880 *in* Halbert (1935).

marginatus (Kirschbaum, 1858)

sordidus (Zetterstedt, 1828)

Synonymy: *in Athysanus* in Halbert (1935).

THAMNOTETTIX ZETTERSTEDT, 1840

SUBGENUS *LOEPOTETTIX* RIBAUT, 1942

dilutior (Kirschbaum, 1868)

SUBGENUS *THAMNOTETTIX*

ZETTERSTEDT, 1840

confinis (Zetterstedt, 1828)

Synonymy: *Thamnotettix prasinus* Fallén, 1806 *in* Halbert (1935).

DELTOCEPHALINI

***DELTOCEPHALUS* BURMEISTER, 1838**

maculiceps Boheman, 1847

pulicaris (Fallén, 1806)

MACROSTELLINI

***BALCLUTHA* KIRKALDY, 1900**

punctata (Fabricius, 1775)

***MACROSTELES* FIEBER, 1866**

fieberi (Edwards, 1889)

Synonymy: *in Cicadula* in Halbert (1935).

frontalis (Scott, 1875)

horvathi (Wagner, 1935)

Synonymy: *Cicadula warioni*: (Edwards, 1908) misidentification *in* Halbert (1935)

who also gives *C. fasciifrons* Edwards as a synonym.

laevis (Ribaut, 1927)

ossiannilssoni Lindberg, 1954

septemnotatus (Fallén, 1806)

O'CONNOR AND NELSON

Synonymy: *Cicadula vii-notata* in Halbert (1935).

sexnotatus (Fallén, 1806)

Synonymy: *Cicadula vi-notata* in Halbert (1935).

viridigriseus (Edwards, 1924)

SONRONIUS DORST, 1937

dahlbomi (Zetterstedt, 1840)

Synonymy: *in Cicadula* in Halbert (1935).

PARALIMNINI

AROCEPHALUS RIBAUT, 1946

SUBGENUS ARIELLUS RIBAUT, 1952

punctum (Flor, 1861)

ARTHALDEUS RIBAUT, 1946

pascuellus (Fallén, 1826)

Synonymy: *in Deltocephalus* in Halbert (1935).

COSMOTETTIX RIBAUT, 1942

SUBGENUS COSMOTETTIX RIBAUT, 1942

panzeri (Flor, 1861)

ERRASTUNUS RIBAUT, 1946

ocellaris (Fallén, 1806)

Synonymy: *in Deltocephalus* in Halbert (1935); *in Adarrus* in de Courcy Williams (1989).

JASSARGUS ZAKHVATKIN, 1934

SUBGENUS JASSARGUS

ZAKHVATKIN, 1934

pseudocellaris (Flor, 1861)

Synonymy: *Deltocephalus distinguendus* (Flor, 1861) in Halbert (1935) and de

Courcy Williams (1989); also

Deltocephalus repletus Fieber, 1869 in Halbert (1935).

MOCUELLUS RIBAUT, 1946

SUBGENUS ERZALEUS RIBAUT, 1952

metrius (Flor, 1861)

Synonymy: *in Cicadula* in Halbert (1935).

PSAMMOTETTIX HAUPT, 1929

albomarginatus Wagner, 1941

cephalotes (Herrich-Schäffer, 1834)

Synonymy: *Deltocephalus normani* (Scott, 1881) in Halbert (1935).

confinis (Dahlbom, 1850)

Synonymy: *Deltocephalus thenii* (Edwards, 1915) in Halbert (1935).

nodosus (Ribaut, 1925)

putoni (Then, 1898)

sabulicola (Curtis, 1837)

Synonymy: *in Deltocephalus* in Halbert (1935).

striatus (Linnaeus, 1758)

Synonymy: *in Deltocephalus* in Halbert (1935).

SORHOANUS RIBAUT, 1946

+*xanthoneurus* (Fieber, 1869)

Footnote: recorded from Co. Kerry by Kirby (1991).

TURRUTUS RIBAUT, 1946

socialis (Flor, 1861)

Synonymy: *in Deltocephalus* in Halbert

(1935).

DORYCEPHALINAE

***EUPELIX* GERMAR, 1821**

cuspidata (Fabricius, 1775)

Synonymy: also *Eupelix producta* Germar, 1838 *in* Halbert (1935).

IASSINAE

***IASSUS* FABRICIUS, 1803**

Synonymy: *Iasus in* de Courcy Williams (1989).

lanio (Linnaeus, 1761)

Synonymy: *in Batracomorphus* Lewis, 1834 *in* Halbert (1935).

IDIOCERINAE

***IDIOCERUS* LEWIS, 1834**

lituratus (Fallén, 1806)

stigmatalis Lewis, 1834

***METIDIOCERUS* OSSIANNILSSON, 1981**

elegans (Flor, 1861)

+*rutilans* (Kirschbaum, 1868)

Footnote: recorded from Co. Galway by Helden and Stewart (2008).

***POPULICERUS* DLABOLA, 1974**

albicans (Kirschbaum, 1868)

Synonymy: *in Idiocerus in* Halbert (1935).

confusus (Flor, 1861)

Synonymy: *in Idiocerus in* Halbert (1935).

laminatus (Flor, 1861)

+*nitidissimus* (Herrich-Schäffer, 1835)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

+*populi* (Linnaeus, 1761)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***RHYTIDODUS* FIEBER, 1872**

+*decimusquartus* (Schrank, 1776)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***STENIDIOCERUS* OSSIANNILSSON, 1981**

+*poecilus* (Herrich-Schäffer, 1835)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

***TREMULICERUS* DLABOLA, 1974**

+*distinguendus* (Kirschbaum, 1868)

Footnote: recorded from Co. Dublin by Helden and Stewart (2008).

tremulae (Estlund, 1796)

+*vitreus* (Fabricius, 1803)

Footnote: recorded from Co. Clare by Kirby (1991).

MACROPSINAE

***MACROPSIS* LEWIS, 1834**

cerea (Germar, 1837)

fuscula (Zetterstedt, 1828)

O’CONNOR AND NELSON

Synonymy: *Macropsis rubi* (Boheman, 1845) *in* Halbert (1935).

impura (Boheman, 1847)

prasina (Boheman, 1852)

Synonymy: *Macropsis virescens* J. Sahlberg, 1871 nec Fabricius, 1794 *in* Halbert (1935).

scotti Edwards, 1920

scutellata (Boheman, 1845)

Synonymy: *Macropsis tibialis* (Scott, 1874) *in* Halbert (1935).

ONCOPSIS BURMEISTER, 1838

alni (Shrank, 1801)

avellanae Edwards, 1920

flavicollis (Linnaeus, 1761)

subangulata (J. Sahlberg, 1871)

tristis (Zetterstedt, 1840)

Synonymy: *Oncopsis rufusculus* (Fieber, 1868) *in* Halbert (1935).

MEGOPHTHALMINAE

MEGOPHTHALMUS CURTIS, 1833

+scabripennis Edwards, 1915

Footnote: recorded from Co. Meath by Helden (2007d).

scanicus (Fallén, 1806)

TYPHLOCYBINAE

ALEBRINI

ALEBRA FIEBER, 1872

albostriella (Fallén, 1826)

Synonymy: *Alebra albostriella* *in* de

Courcy Williams (1989).

+wahlbergi (Boheman, 1845)

Footnote: recorded from Co. Dublin by Helden (2005c).

DIKRANEURINI

EMELYANOVIANA ANUFRIEV, 1970

mollicula (Boheman, 1845)

FORCIPATA DELONG AND

CALDWELL, 1936

citrinella (Zetterstedt, 1828)

Synonymy: *in Dikraneura* *in* Halbert (1935).

NOTUS FIEBER, 1866

flavipennis (Zetterstedt, 1828)

Synonymy: *in Dikraneura* *in* Halbert (1935).

EMPOASCINI

CHLORITA FIEBER, 1872

viridula (Fallén, 1806)

EMPOASCA WALSH, 1862

decipiens Paoli, 1930

vitis (Goethe, 1875)

Synonymy: *Chlorita flavescens* (Flor, 1861) nec. Fabricius, 1794 *in* Halbert (1935).

KYBOS FIEBER, 1866

betulicola (Wagner, 1955)

+populi (Edwards, 1908)

Footnote: recorded from Cos Dublin and Meath by Helden (2007a).

+rufescens Melichar, 1896

Footnote: recorded from Cos Dublin and

Roscommon by Helden (2008).

smaragdulus (Fallén, 1806)

Synonymy: *in Empoasca* in Halbert (1935).

strigilifer (Ossiannilsson, 1941)

+*virgator* (Ribaut, 1933)

Footnote: recorded from Co. Dublin by Helden (2005e).

ERYTHRONEURINI

ALNETOIDEA DIABOLA, 1958

alneti (Dahlbom, 1850)

Synonymy: *in Zygina* in Halbert (1935).

ARBORIDIA ZAKHVATKIN, 1946

parvula (Boheman, 1845)

Synonymy: *in Zygina* in Halbert (1935).

HAUPTIDIA DWORAKOWSKA, 1970

+*maroccana* (Melichar, 1907)

Footnote: recorded from Co. Cork by Kirby (1991).

ZYGINA FIEBER, 1866

angusta Lethierry, 1874

flammigera (Geoffroy in

Fourcroy, 1785)

tiliae (Fallén, 1806)

TYPHLOCYBINI

EDWARDSIANA ZAKHATKIN, 1929

avellanae (Edwards, 1888)

bergmanni (Tullgren, 1916)

+*candidula* (Kirschbaum, 1868)

Footnote: recorded from Co. Dublin by Helden (2007b).

crataegi (Douglas, 1876)

frustrator (Edwards, 1908)

geometrica (Schrank, 1801)

Synonymy: *in Typhlocyba* in Halbert (1935).

lethierryi (Edwards, 1881)

Synonymy: *in Typhlocyba* in Halbert (1935).

+*nigriloba* (Edwards, 1924)

Footnote: recorded from Co. Dublin by Helden (2007b).

+*prunicola* (Edwards, 1914)

Footnote: recorded from Co. Dublin by Helden (2005b).

rosae (Linnaeus, 1758)

Synonymy: *in Typhlocyba* in Halbert (1935).

+*ulmiphagus* Wilson and Claridge, 1999

Footnote: recorded from Co. Dublin by Helden (2007b).

EUPTERYCYBA DLABOLA, 1958

+*jucunda* (Herrich-Schäffer, 1837)

Footnote: recorded from Co. Dublin by Helden (2009).

EUPTERYX CURTIS, 1833

atropunctata (Goeze, 1778)

aurata (Linnaeus, 1758)

cyclops Matsumura, 1906

filicum (Newman, 1853)

melissae Curtis, 1837

notata Curtis, 1837

signatipennis (Boheman, 1847)

stachydearum (Hardy, 1850)

urticae (Fabricius, 1803)

vittata (Linnaeus, 1758)

EURHADINA HAUPT, 1929

+*concinna* (Germar, 1831)

Footnote: recorded from Co. Kerry by Kirby (1991).

+*loewii* (Then, 1886)

Footnote: recorded from Co. Cork by Helden (2009).

pulchella (Fallén, 1806)

Synonymy: *in Eupteryx* in Halbert (1935).

FAGOCYBA DLABOLA, 1958

carri (Edwards, 1914)

cruenta (Herrich-Schäffer, 1838)

LINDBERGINA DLABOLA, 1958

aurovittata (Douglas, 1875)

Synonymy: *pandellei* (Lethierry, 1914).

LINNAVUORIANA DLABOLA, 1958

sexmaculata (Fallén, 1806)

Synonymy: *Linnavuoriana sexpunctata* (Fallén, 1826) preoccupied. *Typhlocyba vi-punctata* in Halbert (1935).

OSSIANNILSSONOLA CHRISTIAN, 1953

+*callosa* (Then, 1886)

Footnote: recorded from Co. Dublin by Helden (2004).

RIBAUTIANA ZAKHATKIN, 1947

debilis (Douglas, 1876)

+*scalaris* (Ribaut, 1931)

Footnote: recorded from Co. Kerry by Kirby (1991).

tenerrima (Herrich-Schäffer, 1834)

Synonymy: *in Typhlocyba* in Halbert (1935).

ulmi (Linnaeus, 1758)

Synonymy: *in Typhlocyba* in Halbert (1935).

TYPHLOCYBA GERMAR, 1833

quercus (Fabricius, 1777)

WAGNERIPTERYX DLABOLA, 1958

+*germari* (Zetterstedt, 1840)

Footnote: recorded from Co. Dublin by Helden (2006).

ZONOCYBA VILBASTE, 1982

bifasciata (Boheman, 1851)

Synonymy: *in Typhlocyba* in de Courcy Williams (1989); *Typhlocyba nitidula* (Fabricius, 1794) preoccupied in Halbert (1935).

6. ULOPIDAE

ULOPA FALLÉN, 1814

reticulata (Fabricius, 1794)

HEMIPTERA
STERNORRHYNCHA
ALEYRODOIDEA

Altogether five species of whitefly are presently recorded from Ireland (Malumphy and O'Connor, in prep.). Their popular name arises from a cover of fine white waxy powder. They are plant-feeders and can be serious economic pests.

1. ALEYRODIDAE

ALEYRODES LATREILLE, 1796
proletella (Linnaeus, 1758)
PEALIUS QUAINANCE AND
BAKER, 1914
quercus (Signoret, 1868)

SIPHONINUS SILVESTRI, 1915
immaculatus (Heeger, 1856)
phillyreae (Haliday, 1835)
TRIALEURODES COCKERELL, 1902
vaporariorum (Westwood, 1856)

APHIDOIDEA

The Irish aphids were listed by Carter, Wood-Baker and Polaszek (1987). The nomenclature mainly follows Favret (2011). Also known as plant lice, greenfly and blackfly, they feed mainly on the leaves and tender young shoots of plants. Passing through several generations in a year and because of their great reproductive capabilities, they can be serious pests.

2. APHIDIDAE

ANOECIINAE
ANOECIA KOCH, 1857
SUBGENUS *ANOECIA* KOCH, 1857
corni (Fabricius, 1775)
Synonymy: *in* Thelaxidae *in* Carter, Wood-Baker and Polaszek (1987).
furcata (Theobald, 1915)
Synonymy: *nemoralis* Börner, 1950 *in* Carter, Wood-Baker and Polaszek (1987); *in* Thelaxidae *in* Carter, Wood-Baker and Polaszek (1987).

APHIDINAE
APHIDINI
APHIDINA
APHIS LINNAEUS, 1758
SUBGENUS *APHIS* LINNAEUS, 1758
aliena Theobald, 1915
confusa Walker, 1849
Synonymy: *Aphis scabiosae* Schrank, 1801.
craccivora Koch, 1854
fabae Scopoli, 1763
Synonymy: *Aphis rumicis* auctt. nec. Linnaeus.

farinosa J. F. Gmelin, 1790

Synonymy: *Aphis saliceti* Kaltenbach, 1843.

frangulae Kaltenbach, 1845

Synonymy: *Aphis rhamni* Kaltenbach, 1843 *nec* Fonscolombe, 1841.

hederae Kaltenbach, 1843

hypochoeridis (Börner, 1940)

idaei van der Goot, 1912

ilicis Kaltenbach, 1843

jacobaeae Schrank, 1801

loti Kaltenbach, 1862

plantaginis Goeze, 1778

pomi De Geer, 1773

ruborum (Börner, 1932)

rumicis Linnaeus, 1758

sambuci Linnaeus, 1758

+*sedii* Kaltenbach, 1843

Footnote: recorded from Co. Donegal by Stroyan (1984), see also Hopkins (2000).

tormentillae Passerini, 1879

triglochinis Theobald, 1926

tripolii Laing, 1920

ulicis Walker, 1870

viburni Scopoli, 1763

SUBGENUS *BURSAPHIS* BAKER, 1934

epilobii Kaltenbach, 1843

Synonymy: *Aphis triphaga* Walker, 1852.

grossulariae Kaltenbach, 1843

RHOPALOSIPHINA

HYALOPTERUS KOCH, 1854

pruni (Geoffroy, 1762)

RHOPALOSIPHUM KOCH, 1854

oxyacanthae (Schrank, 1801)

Synonymy: *Rhopalosiphum insertum* (Walker, 1849) *in* Carter, Wood-Baker and Polaszek (1987).

padi (Linnaeus, 1758)

SCHIZAPHIS BÖRNER, 1931

SUBGENUS *SCHIZAPHIS* BÖRNER, 1931

+*rufula* Walker, 1849

Footnote: recorded from Co. Donegal by Stroyan (1984) and Co. Kerry by Hopkins (2000).

MACROSIPHINI

ACYRTHOSIPHON MORDVILKO, 1914

SUBGENUS *ACYRTHOSIPHON* MORDVILKO, 1914

loti (Theobald, 1913)

malvae (Mosley, 1841)

Synonymy: *Acyrthosiphon pelargonii* (Kaltenbach, 1843).

pisum (Harris, 1776)

primulae (Theobald, 1913)

Synonymy: *in Aulacorthum* *in* Carter, Wood-Baker and Polaszek (1987).

AMPHOROPHORA BUCKTON, 1876

SUBGENUS *AMPHOROPHORA* BUCKTON, 1876

ampullata Buckton, 1876

+*idaei* (Börner, 1930)

Footnote: recorded from Ireland by Blackman (2010).

rubi (Kaltenbach, 1843)

ANURAPHIS DEL GUERCIO, 1907

farfarae (Koch, 1854)

subterranea (Walker, 1852)

Synonymy: *Anuraphis heraclei* (Koch, 1854).

AULACORTHUM MORDVILKO, 1914

SUBGENUS AULACORTHUM

MORDVILKO 1914

palustre Hille Ris Lambers, 1947

solani (Kaltenbach, 1843)

BRACHYCAUDUS VAN DER GOOT, 1913

SUBGENUS ACAUDUS VAN DER GOOT, 1913

cardui Linnaeus, 1758

Footnote: this species is include in the subgenus *Acaudus* in the checklist in Blackman (2010) but in the subgenus *Nevskyaphis* Shaposhnikov, 1950 in the text (page 142).

lychnidis (Linnaeus, 1758)

+*populi* (del Guercio, 1911)

Footnote: recorded from Ireland by Blackman (2010).

SUBGENUS APPELIA BÖRNER, 1930

+*prunifex* (Theobald, 1927)

Footnote: *Brachycaudus prunicola* (Kaltenbach, 1843) in Carter, Wood-Baker and Polaszek (1987). *B. prunifex* had been

synonymised previously with *B. prunicola* which occurs on the same host but can now be distinguished from that species (Blackman, 2010).

SUBGENUS BRACHYCAUDUS VAN DER GOOT, 1913

helichrysi (Kaltenbach, 1843)

BREVICORYNE VAN DER GOOT, 1915

brassicae (Linnaeus, 1758)

CAPITOPHORUS VAN DER GOOT, 1913

carduinus (Walker, 1850)

similis van der Goot, 1915

CAVARIELLA DEL GUERCIO, 1911

SUBGENUS CAVARIELLA DEL GUERCIO, 1911

aegopodii (Scopoli, 1763)

Synonymy: *Cavariella umbellatarum* (Koch, 1854).

archangelicae (Scopoli, 1763)

pastinacae (Linnaeus, 1758)

CERURAPHIS BÖRNER, 1926

eriophori (Walker, 1848)

CHAETOSIPHON MORDVILKO, 1914

SUBGENUS PENTATRICHOPUS BÖRNER, 1930

fragaefolii (T. D. A. Cockerell, 1901)

potentillae (Walker, 1850)

tetrarhodum (Walker, 1849)

CORYLOBIUM MORDVILKO, 1914

avellanae (Schränk, 1801)
CRYPTAPHIS HILLE RIS LAMBERS, 1947
poae (Hardy, 1850)
Synonymy: *Cryptaphis setiger* Hille Ris Lambers, 1947.
CRYPTOMYZUS OESTLUND, 1922
SUBGENUS CRYPTOMYZUS OESTLUND, 1922
galeopsidis (Kaltenbach, 1843)
ribis (Linnaeus, 1758)
DIURAPHIS AIZENBERG, 1935
SUBGENUS HOLCAPHIS HILLE RIS LAMBERS, 1939
frequens (Walker, 1848)
holci (Hille Ris Lambers, 1956)
DYSAPHIS BÖRNER, 1931
SUBGENUS DYSAPHIS BÖRNER, 1931
crataegi (Kaltenbach, 1843)
+crithmi (Buckton, 1886)
Footnote: recorded from Ireland by Blackman (2010).
lappae (Koch, 1854)
ranunculi (Kaltenbach, 1843)
SUBGENUS POMAPHIS BÖRNER, 1939
+maritima (Hille Ris Lambers, 1955)
Footnote: recorded from Ireland by Blackman (2010).
plantaginea (Passerini, 1860)

sorbi (Kaltenbach, 1843)
ELATOBIMUM MORDVILKO, 1914
abietinum (Walker, 1849)
HAYHURSTIA DEL GUERCIO, 1917
atriplicis (Linnaeus, 1761)
Footnote: the authority is given as del Guercio, 1917 in the text of Blackman (2010).
HYADAPHIS KIRKALDY, 1904
foeniculi (Passerini, 1860)
+passerinii (del Guercio, 1911)
Footnote: recorded from Ireland by Blackman (2010).
HYALOPTEROIDES THEOBALD, 1916
humilis (Walker, 1852)
HYPEROMYZUS BÖRNER, 1933
SUBGENUS HYPEROMYZELLA HILLE RIS LAMBERS, 1949
rhinanthi (Schouteden, 1903)
SUBGENUS HYPEROMYZUS BÖRNER, 1933
lactucae (Linnaeus, 1758)
+lampsanae (Börner, 1932)
Footnote: recorded from Ireland by Blackman (2010).
+pallidus Hille Ris Lambers, 1935
Footnote: recorded from Ireland by Blackman (2010).
IDIOPTERUS DAVIS, 1909
nephrolepidis Davis, 1909
ILLINOIA WILSON, 1910

SUBGENUS *MASONAPHIS* HILLE

RIS LAMBERS, 1939

+*lambersi* (MacGillivray, 1960)

Footnote: recorded from Ireland by
Blackman (2010).

JACKSONIA THEOBALD, 1923

papillata Theobald, 1923

LINOSIPHON BÖRNER, 1950

galiophagum (Wimshurst, 1923)

LONGICAUDUS VAN DER GOOT,
1913

trirhodus (Walker, 1849)

MACROSIPHONIELLA DEL

GUERCIO, 1911

SUBGENUS *ASTEROBIUM* HILLE

RIS LAMBERS, 1938

asteris (Walker, 1849)

SUBGENUS *MACROSIPHONIELLA*

DEL GUERCIO, 1911

+*artemisiae* (Boyer de

Fonscolombe, 1841)

Footnote: recorded from Ireland by
Blackman (2010).

+*pulvera* (Walker, 1848)

Footnote: recorded from Ireland by
Blackman (2010).

sanborni (Gillette, 1908)

sejuncta (Walker, 1848)

Synonymy: *Macrosiphoniella formicarium*
Theobald, 1913.

MACROSIPHUM PASSERINI, 1860

SUBGENUS *MACROSIPHUM*

PASSERINI, 1860

albifrons Essig, 1911

centranthi Theobald, 1915

cholodkovskyi (Mordvilko, 1909)

euphorbiae (Thomas, 1878)

Synonymy: *Siphonophora solanifolii*
Ashmead, 1882.

+*euphorbiellum* Theobald, 1917

Synonymy: *Macrosiphum amygdaloides*
Theobald, 1925.

Footnote: *Macrosiphum amygdaloides* in
Carter, Wood-Baker and Polaszek (1987).

funestum (Macchiati, 1885)

gei (Koch, 1855)

rosae (Linnaeus, 1758)

stellariae Theobald, 1913

Synonymy: *Macrosiphum sileneum*
Theobald, 1913.

Footnote: both *Macrosiphum sileneum* and
M. stellariae are given in Carter, Wood-
Baker and Polaszek (1987).

MEGOURA BUCKTON, 1876

viciae Buckton, 1876

METOPOLOPHIUM MORDVILKO,
1914

SUBGENUS *METOPOLOPHIUM*

MORDVILKO, 1914

dirhodum (Walker, 1848)

festucae (Theobald, 1917)

Synonymy: *Metopolophium*
myrmecophilum Theobald, 1916 in Carter,
Wood-Baker and Polaszek (1987).

MICROLOPHIUM MORDVILKO, 1914

carnosum (Buckton, 1876)

MYZAPHIS VAN DER GOOT, 1913

rosarum (Kaltenbach, 1843)

Synonymy: *Trilobaphis rhodolestes*

Wood-Baker, 1943.

MYZUS PASSERINI, 1860

SUBGENUS MYZUS PASSERINI 1860

cerasi (Fabricius, 1775)

Synonymy: *Myzus galiifolium* Theobald, 1919.

ornatus Laing, 1932

SUBGENUS NECTAROSIPHON

SCHOUTEDEN, 1901

+antirrhinii (Macchiati, 1883)

Footnote: recorded from Ireland by Blackman (2010).

persicae (Sulzer, 1776)

SUBGENUS SCIAMYZUS STROYAN, 1954

ascalonicus Doncaster, 1946

NASONOVIA MORDVILKO, 1914

SUBGENUS NASONOVIA

MORDVILKO, 1914

+compositellae (Theobald, 1924)

Footnote: recorded from Ireland by Blackman (2010).

ribisnigri (Mosley, 1841)

Synonymy: *Siphonophora ribicola* (Kaltenbach, 1843).

NEARCTAPHIS SHAPOSHNIKOV, 1950

+bakeri (Cowen, 1895)

Footnote: recorded from Ireland by Blackman (2010).

NEOMYZUS VAN DER GOOT, 1915

circumflexum Buckton, 1876

Synonymy: *in Aulacorthum* in Carter, Wood-Baker and Polaszek (1987).

OVATUS VAN DER GOOT, 1913

SUBGENUS OVATUS VAN DER GOOT, 1913

crataegarius (Walker, 1850)

Synonymy: *Ovatus menthae* Walker, 1852.

PHORODON PASSERINI, 1860

humuli (Schrank, 1801)

Synonymy: *Phorodon pruni* (Scopoli, 1763); *Phorodon humuli* is given as a synonym of *P. pruni* in Carter, Wood-Baker and Polaszek (1987).

PLEOTRICHOPHORUS BÖRNER, 1930

+chrysanthemi (Theobald, 1920)

Footnote: recorded from Ireland by Blackman (2010).

glandulosus (Kaltenbach, 1846)

PSEUDACAUDELLA BÖRNER, 1950

+rubida Börner, 1950

Footnote: recorded from Ireland by Blackman (2010).

RHOPALOMYZUS MORDVILKO, 1921

SUBGENUS RHOPALOMYZUS MORDVILKO, 1921

poae (Gillette, 1908)
RHOPALOSIPHONINUS BAKER, 1920
SUBGENUS *MYZOSIPHON* HILLE
RIS LAMBERS, 1946
staphyleae (Koch, 1854)
SITOBION MORDVILKO, 1914
SUBGENUS *SITOBION*
MORDVILKO, 1914
avenae (Fabricius, 1775)
Synonymy: *Sitobion granaria* (Kirby,
1798).
fragariae (Walker, 1848)
Synonymy: *Macrosiphum rubiellum*
Theobald, 1913.
STAEGERIELLA HILLE RIS
LAMBERS, 1947
+necopinata (Börner, 1939)
Footnote: recorded from Co. Kerry by
Hopkins (2000).
STATICOBIUM MORDVILKO, 1914
staticis (Theobald, 1923)
TUBAPHIS HILLE RIS LAMBERS,
1947
ranunculina (Walker, 1852)
UROLEUCON MORDVILKO, 1914
SUBGENUS *UROLEUCON*
MORDVILKO, 1914
achilleae (Koch, 1855)
cichorii (Koch, 1855)
Synonymy: *in Euroleucon* in Carter,
Wood-Baker and Polaszek (1987).
cirsii (Linnaeus, 1758)

+hypochoeridis (Fabricius, 1779)
Footnote: recorded from Ireland by
Blackman (2010).
sonchi (Linnaeus, 1767)
SUBGENUS *UROMELAN*
MORDVILKO, 1914
jaceae Linnaeus, 1758
solidaginis (Fabricius, 1779)
+taraxaci (Kaltenbach, 1843)
Footnote: recorded from Ireland by
Blackman (2010).
UTAMPHOROPHORA KNOWLTON,
1947
humboldti (Essig, 1941)
Footnote: *humbolti* in Carter, Wood-Baker
and Polaszek (1987).
VESICULAPHIS DEL GUERCIO, 1911
theobaldi Takahashi, 1930
WAHLGRENIELLA HILLE RIS
LAMBERS, 1949
+nervata (Gillette, 1908)
Footnote: recorded from Ireland by
Blackman (2010).
CALAPHIDINAE
CALAPHIDINI
CALAPHIDINA
BETULAPHIS GLENDENNING, 1926
quadrituberculata (Kaltenbach,
1843)

Synonymy: *Betulaphis minimum* (van der Goot, 1912).

CALAPHIS WALSH, 1863

betulicola (Kaltenbach, 1843)

Synonymy: *in Kallistaphis in* Carter, Wood-Baker and Polaszek (1987).

flava Mordvilko, 1928

Synonymy: *in Kallistaphis in* Carter, Wood-Baker and Polaszek (1987).

CALLIPTERINELLA VAN DER GOOT, 1913

calliptera (Hartig, 1841)

CLETHROBIUS MORDVILKO, 1928

comes (Walker, 1848)

EUCERAPHIS WALKER, 1870

+*betulae* (Koch, 1855)

Footnote: recorded from Co. Tipperary by Hopkins (2000).

punctipennis (Zetterstedt, 1828)

SYMYDOBIUS MORDVILKO, 1894

SUBGENUS SYMYDOBIUS

MORDVILKO, 1894

oblongus (von Heyden, 1837)

MONAPHIDINA

MONAPHIS WALKER, 1870

+*antennata* (Kaltenbach, 1843)

Footnote: recorded from Co. Kerry by Hopkins (2000).

PANAPHIDINI

MYZOCALLIDINA

MYZOCALLIS PASSERINI, 1860

SUBGENUS AGRIOAPHIS WALKER,

1870

castanicola Baker, 1917

myricae (Kaltenbach, 1843)

SUBGENUS MYZOCALLIS

PASSERINI, 1860

boernerii Stroyan, 1957

carpini (Koch, 1855)

schreiberi Hille Ris Lambers and Stroyan, 1959

TUBERCULATUS MORDVILKO, 1894

SUBGENUS TUBERCULATUS

MORDVILKO, 1894

querceus (Kaltenbach, 1843)

SUBGENUS TUBERCULOIDES VAN DER GOOT, 1915

annulatus (Hartig, 1841)

neglectus (Krzywiec, 1966)

PANAPHIDINA

EUCALLIPTERUS SCHOUTEDEN, 1906

tiliae (Linnaeus, 1758)

PTEROCALLIS PASSERINI, 1860

SUBGENUS PTEROCALLIS

PASSERINI, 1860

alni (De Geer, 1773)

TAKECALLIS MATSUMURA, 1917

arundicolens (Clarke, 1903)

CHAITOPHORINAE

CHAITOPHORINI

CHAITOPHORUS KOCH, 1854

capreae (Mosley, 1841)
horii (Takahashi, 1939)
subspecies *beuthani* (Börner,
1950)
leucomelas Koch, 1854

Synonymy: *Chaitophorus versicolor* Koch,
1854.

tremulae Koch, 1854

**PERIPHYLLUS VAN DER HOEVEN,
1863**

acericola (Walker, 1848)
aceris (Linnaeus, 1761)
testudinaceus (Ferne, 1852)

SIPHINI

ATHEROIDES HALIDAY, 1838

+*brevicornis* Laing, 1920

Footnote: recorded from Co. Kerry by
Hopkins (2000).

hirtellus Haliday, 1838
serrulatus Haliday, 1838

LAINGIA THEOBALD, 1922

+*psammae* Theobald, 1922

Footnote: recorded from Co. Kerry by
Hopkins (2000).

SIPHA PASSERINI, 1860

SUBGENUS SIPHA PASSERINI, 1860

glyceriae (Kaltenbach, 1843)
littoralis (Walker, 1848)

DREPANOSIPHINAE

DREPANOSIPHUM KOCH, 1855

acerinum (Walker, 1848)
platanoidis (Schrank, 1801)

ERIOSOMATINAE

ERIOSOMATINI

ERIOSOMA LEACH, 1818

lanigerum Hausmann, 1802

Synonymy: *in* Pemphigidae *in* Carter,
Wood-Baker and Polaszek (1987).

patchiae (Börner and Blunck,
1916)

Synonymy: *Eriosoma ulmosedens*
Marchal, 1919; *in* Pemphigidae *in* Carter,
Wood-Baker and Polaszek (1987).

ulmi (Linnaeus, 1758)
subspecies *ulmi* (Linnaeus, 1758)

Synonymy: *in* Pemphigidae *in* Carter,
Wood-Baker and Polaszek (1987).

**KALTENBACHIELLA SCHOUTEDEN,
1906**

pallida Haliday, 1838

Synonymy: *Kaltenbachiella menthae*
(Passerini, 1860); *in* Pemphigidae *in*
Carter, Wood-Baker and Polaszek (1987).

GENUS TETRANEURA HARTIG, 1841

**SUBGENUS TETRANEURA HARTIG,
1841**

ulmi (Linnaeus, 1758)

Synonymy: *Byrsocrypta ulmifoliae* (Baker,
1920); *in* Pemphigidae *in* Carter, Wood-
Baker and Polaszek (1987).

FORDINI

APLONEURA PASSERINI, 1863

lentisci (Passerini, 1856)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

FORDA VON HEYDEN, 1837

formicaria von Heyden, 1837

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

marginata Koch, 1857

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

GEOICA HART, 1894

setulosa (Passerini, 1860)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

utricularia (Passerini, 1856)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PARACLETUS VON HEYDEN, 1837

cimiciformis von Heyden, 1837

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

SMYNTHURODES WESTWOOD, 1849

betae Westwood, 1849

Synonymy: *Trifidaphis phaseoli* (Passerini, 1860); *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PEMPHIGINI HERRICH-

SCHAEFFER, 1854

PACHYPAPPA KOCH, 1856

Synonymy: *in* *Asiphum* *in* Carter, Wood-

Baker and Polaszek (1987)

tremulae (Linnaeus, 1761)

Synonymy: *Rhizomaria piceae* Hartig, 1857; *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PEMPHIGUS HARTIG 1839

SUBGENUS PEMPHIGUS HARTIG 1839

bursarius (Linnaeus, 1758)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

populinigrae (Schrank, 1801)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

spyrothecae Passerini, 1860

Synonymy: as *spirothecae* and *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

PROCIPHILUS KOCH, 1857

SUBGENUS PROCIPHILUS KOCH, 1857

fraxini (Fabricius, 1777)

Synonymy: *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

SUBGENUS STAGONA KOCH, 1857

pini (Burmeister, 1835)

Synonymy: *Stagona crataegi* (Tullagren, 1919); *in* Pemphigidae *in* Carter, Wood-Baker and Polaszek (1987).

THECABIUS KOCH, 1857

SUBGENUS THECABIUS KOCH, 1857

affinis (Kaltenbach, 1843)

Synonymy: *in* Pemphigidae *in* Carter,
Wood-Baker and Polaszek (1987).

LACHNINAE

EULACHNINI

CINARA CURTIS, 1835

SUBGENUS CINARA CURTIS, 1835

confinis (Koch, 1856)

Synonymy: *Lachnus abieticola*
Cholodkovsky, 1899; *Lachniella cilicica*
Del Guercio, 1909.

costata (Zetterstedt, 1828)

kochiana (Börner, 1939)

piceae (Panzer, 1800)

pilicornis (Hartig, 1841)

pineae (Mordvilko, 1894)

pini (Linnaeus, 1758)

pinihabitans (Mordvilko, 1894)

pruinosa (Hartig, 1841)

EULACHNUS DEL GUERCIO, 1909

agilis (Kaltenbach, 1843)

brevipilosus Börner, 1940

**SCHIZOLACHNUS MORDVILKO,
1908**

pineti (Fabricius, 1781)

LACHNINI

LACHNUS BURMEISTER, 1835

roboris (Linnaeus, 1758)

**TUBEROLACHNUS MORDVILKO,
1908**

SUBGENUS TUBEROLACHNUS

MORDVILKO, 1908

salignus (Gmelin, 1790)

TRAMINI

TRAMA VON HEYDEN, 1837

**SUBGENUS TRAMA VON HEYDEN,
1837**

troglodytes von Heyden, 1837

PROTRAMA BAKER, 1920

radicis (Kaltenbach, 1843)

HORMAPHIDINAE

HORMAPHIDINI

HAMAMELISTES SHIMER, 1867

betulinus (Horvath, 1896)

Synonymy: *in* Thelaxidae *in* Carter, Wood-
Baker and Polaszek (1987).

MINDARINAE

MINDARUS KOCH, 1857

abietinus Koch, 1857

Synonymy: *in* Thelaxidae *in* Carter, Wood-
Baker and Polaszek (1987).

PHLOEOMYZINAE

PHLOEOMYZUS HORVATH, 1896

Synonymy: *Phloemyzus* Wilson, 1910 *in*
Carter, Wood-Baker and Polaszek (1987).

passerinii (Signoret, 1875)

Synonymy: *in* Thelaxidae *in* Carter, Wood-
Baker and Polaszek (1987).

PHYLLAPHIDINAE

PHYLLAPHIS KOCH, 1856

fagi (Linnaeus, 1767)

SALTUSAPHIDINAE

SALTUSAPHIDINI

IZIPHYA NEVSKY, 1929

bufo (Walker, 1848)

JUNCOBIA QUEDNAU, 1954

leegei (Börner, 1940)

Synonymy: *in Iziphya* in Carter, Wood-Baker and Polaszek (1987).

THRIPSAPHIDINI

ALLAPHIS MORDVILKO, 1921

+*verrucosa* (Gillette, 1917)

Footnote: recorded from Co. Kerry by Hopkins (2000) as *Thripsaphis* (*Trichocallis*) *verrucosa* Gillette.

SUBSALTUSAPHIS QUEDNAU, 1953

Synonymy: *Subsaltaphis* in Carter, Wood-Baker and Polaszek (1987).

SUBGENUS *SUBSALTUSAPHIS*

QUEDNAU, 1953

ornata (Theobald, 1927)

THRIPSAPHIS GILLETTE, 1917

SUBGENUS *THRIPSAPHIS*

GILLETTE, 1917

caricis (Mordvilko, 1921)

Synonymy: *Thripsaphis cyperi* (Quednau, 1954) *in* Carter, Wood-Baker and Polaszek (1987).

THELAXINAE

THELAXINI

GLYPHINA KOCH, 1856

jacutensis Mordvilko, 1931

Synonymy: *Glyphina schrankiana* Börner, 1950 *in* Carter; Wood-Baker and Polaszek (1987); *alni* (Schrank, 1801); *in*

Thelaxidae *in* Carter, Wood-Baker and Polaszek (1987).

THELAXES WESTWOOD, 1840

dryophila Schrank, 1801

Synonymy: *in Thelaxidae* *in* Carter, Wood-Baker and Polaszek (1987).

COCOIDEA

The Irish scale insects and mealy bugs (Coccoidea) were listed by O'Connor, Gertsson and Malumphy (in press). Scale insects vary greatly in their appearance from very small insects that occur under wax covers (some look like oyster shells) to shiny pearl-like objects, to creatures covered with mealy wax. Adult female scales are almost always immobile (aside from mealybugs) and permanently attached to the plant they have parasitized. They secrete a waxy coating for defence. The Coccoidea feed on a variety of plants and many are pest species. [O'Connor, Gertsson and Malumphy (in press) was published in 2013]

3. ASTEROLECANIIDAE

ASTEROLECANIINAE

ASTERODIASPIS SIGNORET, 1877

[*quercicola* (Bouché, 1851)]

Footnote: requires confirmation as an Irish species.

variolosa (Ratzeburg, 1870)

4. COCCIDAE

FILIPPIINAE

[*ERIOPELTIS* SIGNORET, 1872]

[*festucae* (Boyer de Fonscolombe, 1834)]

Footnote: requires confirmation as an Irish species.

[*lichtensteini* Signoret, 1877]

Footnote: requires confirmation as an Irish species.

LECANOPSIS TARGIONI TOZZETTI, 1868

formicarum Newstead, 1893

LICHTENSIA SIGNORET, 1873

viburni Signoret, 1873

COCCINAE

PULVINARIINI

PULVINARIA TARGIONI TOZZETTI, 1866

floccifera (Westwood, 1870)

regalis Canard, 1968

vitis (Linnaeus, 1758)

COCCINI

COCCUS LINNAEUS, 1758

hesperidum Linnaeus, 1758

subspecies *hesperidum* Linnaeus, 1758

EULECANIUM COCKERELL 1893

tiliae (Linnaeus, 1758)

Synonymy: *Eulecanium capreae*

(Linnaeus, 1767); *Eulecanium coryli*

(Linnaeus, 1758).

PARTHENOLECANIUM SULC, 1908

corni (Bouché, 1844)

subspecies *corni* (Bouché, 1844)

Synonymy: *Parthenolecanium persicae*:

auctt. Brit. partim, nec (Fabricius, 1776).

[*PHYSOKERMES* TARGIONI TOZZETTI, 1868]

[*Physokermes* sp.]

Footnote: the spruce-bud scale

(*Physokermes piceae* (Schrank, 1801)), although a common species in Europe and North America, occurs only on *Picea* spp.

As a result, the Irish records may be instead of the small spruce-bud scale (*P. hemicryphus* (Dalman, 1826)) which can occur on silver fir (Kosztarab and Kozár, 1988). In Britain, all records of *P. piceae* were recently found to be misidentifications of *P. hemicryphus* (Malumphy, 2009). The Irish status of *P. piceae* therefore requires confirmation.

SAISSETIA DEPLANCHE, 1859

coffeae (Walker, 1852)

Synonymy: *Saissetia clypeata* (Douglas, 1888); *S. hemisphaerica* (Targioni Tozzetti, 1867).

neglecta De Lotto, 1969

5. DIASPIDIDAE

DIASPIDINAE

ASPIDIOTINI

ABGRALLASPIS BALACHOWSKY, 1948

cyanophylli (Signoret, 1869)

Footnote: no modern Irish records.

ASPIDIOTUS BOUCHÉ, 1833
nerii Bouché, 1833

Synonymy: *Aspidiotus hederae* (Vallot, 1829) misidentification.

CHRYSOMPHALUS ASHMEAD, 1880
dictyospermi (Morgan, 1889)

Footnote: no modern Irish records.

DIASPIDIOTUS BERLESE, 1896
ostreaeformis (Curtis, 1843)
zonatus (Frauenfeld, 1868)

DIASPIDINI

DIASPIDINA

AULACASPIS COCKERELL, 1893
rosae (Bouché, 1833)

Footnote: no modern Irish records.

CARULASPIS MACGILLIVRAY, 1921
minima (Signoret, 1869)

CHIONASPIS SIGNORET, 1869
salicis (Linnaeus, 1758)

DIASPIS COSTA, 1828

boisduvalii Signoret, 1869

Footnote: no modern Irish records.

FIORINIA TARGIONI TOZZETTI, 1868

fioriniae (Targioni Tozzetti, 1867)

Footnote: no modern Irish records.

HOWARDIA BERLESE AND
LEONARDI, 1896

biclavis (Comstock, 1883)

Footnote: no modern Irish records.

PINNASPIS COCKERELL, 1892
aspidistrae (Signoret, 1869)
subspecies *aspidistrae* (Signoret, 1869)

Footnote: no modern Irish records.

buxi (Bouché, 1851)

Footnote: no modern Irish records

LEPIDOSAPHEDINA

ISCHNASPIS DOUGLAS, 1887
longirostris (Signoret, 1882)

Synonymy: *Ischnaspis filiformis* Douglas, 1887.

Footnote: no modern Irish records.

LEPIDOSAPHES SHIMER, 1898
ulmi (Linnaeus, 1758)

Synonymy: *Lepidosaphes pomorum* (Bouché, 1851).

PARLATORIINI

GYMNASPIDINA

GYMNASPIS NEWSTEAD, 1898
aechmeae Newstead, 1898

LEUCASPIDINA

[*LEUCASPIS* SIGNORET, 1869]

[*lowi* Colvée, 1882]

Footnote: deleted as an Irish species.

PARLATORIA

[*PARLATORIA* TARGIONI

TOZZETTI, 1868]

[*pergandii* Comstock, 1881]

Footnote: deleted as an Irish species.

6. ERIOCOCCIDAE

CRYPTOCOCCUS DOUGLAS, 1890

fagisuga Lindinger, 1936

Synonymy: *Cryptococcus fagi*

(Bärensprung, 1849).

ERIOCOCCUS TARGIONI

TOZZETTI, 1868

devoniensis (Green, 1896)

7. [KERMESIDAE]

[*KERMES* BOITARD, 1828]

[*corticalis* Nasonov, 1908]

Footnote: deleted as an Irish species.

8. [MONOPLEBIDAE]

[*ICERYA* SIGNORET, 1875]

[*purchasi* Maskell, 1878]

Footnote: eradicated as an Irish species.

9. ORTHEZIIDAE

ARCTORTHEZIA COCKERELL, 1902

cataphracta (Olafsen, 1772)

Synonymy: *Arctorthezia cataphracta*
(Shaw, 1794).

NEWSTEADIA GREEN, 1902

Synonymy: *Pseudococcus*.

floccosa (De Geer, 1778)

ORTHEZIA BOSC, 1784

urticae (Linnaeus, 1758)

PSEUDOCOCCIDAE

BALANOCOCCUS WILLIAMS, 1962

diminutus (Leonardi, 1918)

DYSMICOCCUS FERRIS, 1950

walkeri (Newstead, 1891)

PHENACOCCUS COCKERELL, 1893

aceris (Signoret, 1875)

PLANOCOCCUS FERRIS, 1950

citri (Risso, 1813)

RHIZOECUS KUNCKEL

D'HERCULAIS 1878

falcifer Künnkel d'Herculais,
1878

RIPERSIELLA TINSLEY IN

COCKERELL, 1899

halophila (Hardy, 1868)

TRIONYMUS BERG, 1899

perrisii (Signoret, 1875)

subspecies *perrisii* (Signoret,
1875)

Synonymy: *Dactylopius hibernicus*

Newstead, 1895.

PHYLLOXEROIDEA

The Irish Phylloxeroidea was listed by Carter, Wood-Baker and Polaszek (1987). The nomenclature mainly follows Favret (2011).

10. ADELGIDAE

ADELGES VALLOT, 1936

SUBGENUS *ADELGES* VALLOT, 1936

laricis Vallot, 1836

Synonymy: *Cnaphalodes strobilobius* (Kaltenbach, 1843)

SUBGENUS *DREYFUSIA* BÖRNER, 1907

nordmannianae (Eckstein, 1890)

Synonymy: *Dreyfusia nuesslini* Börner, 1908.

piceae (Ratzeburg, 1837)

SUBGENUS *CHOLODKOVSKYA* BÖRNER, 1909

viridana (Cholodkovsky, 1896)

cooleyi (Gillette, 1907)

PINEUS SHIMER, 1869

SUBGENUS *PINEUS* SHIMER, 1869

pini (Macquart, 1819)

Synonymy: the authority is given as Gmelin in Linnaeus *in* Carter, Wood-Baker and Polaszek (1987).

11. PHYLLOXERIDAE

DAKTULOSPHAIRA SHIMER, 1866

Synonymy: *Viteus* Shimer, 1867 *in* Carter, Wood-Baker and Polaszek (1987).

vitifoliae (Fitch, 1851)

PSYLLOIDEA

The Irish psyllids or jumping plant-lice (Psylloidea) were listed by O’Connor and Malumphy (2011). They are excellent jumpers, being propelled by enlarge hind legs. Psyllids feed on plants and some species cause galls.

12. PSYLLIDAE

APHALARA FOERSTER, 1848

exilis (Weber and Mohr, 1804)

polygoni Foerster, 1848

ulicis Foerster, 1848

ARYTAINA FOERSTER, 1848

genistae (Latreille, 1804)

Synonymy: *Arytaena genistae* Latreille, 1804.

ARYTAINILLA LOGINOVA, 1972

spartiophila (Foerster, 1848)

Synonymy: *Psylla spartii* Guérin-Méneville, 1843; *Arytaina spartii* (Guérin-Méneville, 1843).

BAEOPELMA ENDERLEIN, 1926

foersteri (Flor, 1861)

CACOPSYLLA OSSIANNILSSON, 1970

SUBGENUS *CACOPSYLLA*

OSSIANNILSSON, 1970

mali (Schmidberger, 1836)

peregrina (Foerster, 1848)

sorbi (Linnaeus, 1758)

SUBGENUS *HEPATOPSYLLA*

OSSIANNILSSON, 1970

ambigua (Foerster, 1848)

brunneipennis (Edwards, 1896)

Synonymy: *Psylla brunneipennis* Edwards, 1896.

hippophaes (Foerster, 1848)

pulchra (Zetterstedt, 1838)

Synonymy: *Psylla pineti* Flor, 1861; *Psylla nigrita* (Zetterstedt, 1828).

pyri (Linnaeus, 1758)

pyricola (Foerster, 1848)

Synonymy: *Psylla apiophila* Foerster, 1848.

saliceti (Foerster, 1848)

Synonymy: *Psylla salicicola* Foerster, 1848 partim.

SUBGENUS *THAMNOPSYLLA*

LOGINOVA, 1978

[*alaterni* (Foerster, 1848)]

Footnote: requires confirmation as an Irish species.

crataegi (Schrank, 1801)

Synonymy: *Psylla costatopunctata* Foerster, 1848.

melanoneura (Foerster, 1848)

Synonymy: *Psylla costalis* Flor (partim).

pruni (Scopoli, 1763)

Synonymy: *Psylla fumipennis* Foerster, 1848.

rhamnicola (Scott, 1876)

CHAMAEPSYLLA OSSIANNILSSON, 1970

hartigii (Flor, 1861)

CRASPEDOLEPTA ENDERLEIN, 1921

flavipennis (Foerster, 1848)

nebulosa (Zetterstedt, 1828)

nervosa (Foerster, 1848)

Synonymy: *Aphalara nervosa* Foerster, 1848.

sonchi (Foerster, 1848)

Synonymy: *Aphalaria picta* Zetterstedt, 1828.

LIVIA LATREILLE, 1802

junci (Schrank, 1789)

Synonymy: *Livia juncorum* (Latreille, 1798).

LIVILLA CURTIS, 1836

ulicis Curtis, 1836

NEOCRASPEDOLEPTA CONCI AND TAMANINI, 1986

subpunctata (Foerster, 1848)

Synonymy: *Craspedolepta subpunctata* (Foerster, 1848).

PSYLLA GEOFFROY, 1762

SUBGENUS *PSYLLA* GEOFFROY, 1762

alni (Linnaeus, 1758)

Synonymy: *Psylla fuscinervis* Foerster, 1848; *Psylla heydeni* Foerster, 1848.

betulae (Linnaeus, 1758)
SUBGENUS *ASPHAGIDELLA*
ENDERLEIN, 1921
buxi (Linnaeus, 1758)
PSYLLOPSIS LOW, 1879
discrepans (Flor, 1861)
distinguenda Edwards, 1913
fraxini (Linnaeus, 1758)
fraxinicola (Foerster, 1848)
SPANIONEURA FOERSTER, 1848
fonscolombii Foerster, 1848
STROPHINGIA ENDERLEIN, 1914
ericae (Curtis, 1835)

13. SPONDYLIASPIDAE
CTENARYTAINA FERRIS AND
KLYVER, 1932

eucalypti (Maskell, 1890)
peregrina Hodkinson, 2007
spatulata Taylor, 1997
14. TRIOZIDAE
BACTERICERA PUTON, 1876
albiventris (Foerster, 1848)
crithmi (Low, 1877)
curvatinervis (Foerster, 1848)
TRIOZA FOERSTER, 1848
alacris Flor, 1861
galii Foerster, 1848
Synonymy: *Trioza velutina* Foerster, 1848.
munda Foerster, 1848
remota Foerster, 1848
urticae (Linnaeus, 1758)
vitreoradiata (Maskell, 1879)

MECOPTERA

The sole Irish species of scorpion fly (Mecoptera) was listed by King and Halbert (1910). The order appears to be very rare in Ireland and there are only two records. The tip of the male abdomen is turned up, hence the popular name. The larvae live as scavengers in the soil and leaf litter. The adults are largely carnivorous

MECOPTERA

1. PANORPIDAE

PANORPA LINNAEUS, 1758
germanica Linnaeus, 1758

MEGALOPTERA

Ashe, O’Connor and Murray listed the Irish alderflies (Megaloptera). The larvae are aquatic, feeding on other insects.

1. SIALIDAE

SIALIS LATREILLE, 1802
lutaria (Linnaeus, 1758)

nigripes Pictet, 1865

MICROCORYPHIA

The jumping bristletails (Microcoryphia) feed primarily on algae, but also lichens, mosses or decaying organic materials.

1. MACHILIDAE

MACHILINAE

DILTA STRAND, 1911

hibernica (Carpenter, 1907)

Footnote: recorded from Cos Cork, Dublin, Fermanagh, Galway, Roscommon and Wicklow by Delany (1954).

saxicola (Womersley, 1930)

Footnote: recorded from Co. Dublin by Delany (1954).

TRIGONIOPHTHALMUS VERHOEFF,
1910

alternatus (Silvestri, 1904)

Footnote: recorded from Co. Cork by Makings (1959).

PETROBIINAE

PETROBIUS LEACH, 1809

brevistylis Carpenter, 1913

Footnote: recorded from Co. Dublin by Carpenter (1913a).

maritimus (Leach, 1809)

Footnote: recorded from Co. Mayo by Carpenter (1913b).

NEUROPTERA

The Irish lacewings (Neuroptera) were listed by Barnard, O'Connor and Speight (1991). Both the adults and larvae are carnivorous. The larvae have sucking mouth-parts which resemble two drinking straws and are used for sucking out the juices of the prey

HEMEROBIIIFORMIA

1. CHRYSOPIDAE

CHRYSOPINAE

CHRYSOPINI

CHRYSOPA LEACH IN BREWSTER,
1815

abbreviata Curtis, 1834

[*perla* (Linnaeus, 1758)]

Footnote: certainly Irish according to Haliday ms (King and Halbert, 1910) but since then, there has been no records and its Irish status requires confirmation.

CHRYSOPERLA STEINMANN, 1964

carnea (Stephens, 1836)

Synonymy: *Chrysopa vulgaris* Schneider, W. G., 1851 in King and Halbert (1910).

CHRYSOTROPIA NAVÁS, 1911

ciliata (Wesmael, 1841)

Synonymy: *Chrysopa alba*: auctt., nec (Linnaeus, 1758) in King and Halbert (1910); in *Chrysopidia* in Barnard, O'Connor and Speight (1991).

CUNCTOCHRYSA HÖLZEL, 1970

albolineata (Killington, 1935)

Synonymy: *Chrysopa tenella* Schneider, W. G., 1851 in King and Halbert (1910).

DICHOCHRYSA YANG, 1991

flavifrons (Brauer, 1850)

Synonymy: *in Mallada* in Barnard, O'Connor and Speight (1991).

ventralis (Curtis, 1834)

Synonymy: *Chrysopa prasina* Burmeister, 1839 in King and Halbert (1910); *in Chrysopa* in King and Halbert (1910); *in Mallada* in Barnard, O'Connor and Speight (1991).

NINETA NAVÁS, 1912

flava (Scopoli, 1763)

Synonymy: *in Chrysopa* in King and Halbert (1910).

vittata (Wesmael, 1841)

Synonymy: *in Chrysopa* in King and Halbert (1910).

2. CONIOPTERYGIDAE

CONIOPTERYGINAE

CONIOPTERYGINI

CONIOPTERYX CURTIS, 1834

SUBGENUS CONIOPTERYX CURTIS, 1834

+borealis Tjeder, 1930

Footnote: recorded from Co. Dublin by O'Connor (2003).

tineiformis Curtis, 1834

Synonymy: *Coniopteryx lactea* Wesmael, 1841 in King and Halbert (1910).

ALEUROPTERYGINAE

CONWENTZIINI

CONWENTZIA ENDERLEIN, 1905

psociformis (Curtis, 1834)

Synonymy: *Coniopteryx* in King and Halbert (1910).

3. HEMEROBIIDAE

HEMEROBIINAE

HEMEROBIUS LINNAEUS, 1758

SUBGENUS BRAUEROBIUS

KRÜGER, 1922

marginatus Stephens, 1836

SUBGENUS HEMEROBIUS

LINNAEUS, 1758

atrifrons McLachlan, 1868

humulinus Linnaeus, 1758

Synonymy: *Hemerobius humuli* L. in King and Halbert (1910).

lutescens Fabricius, 1793

micans Olivier, 1792

nitidulus Fabricius, 1777

pini Stephens, 1836

simulans Walker, 1853

Synonymy: *Hemerobius orotypus* Wallengren, 1863 in King and Halbert (1910).

stigma Stephens, 1836

WESMAELIUS KRÜGER, 1922

SUBGENUS KIMMINSIA

KILLINGTON, 1937

nervosus (Fabricius, 1793)

Synonymy: *Wesmaelius betulinus* Ström, 1788 in Barnard, O'Connor and Speight (1991).

subnebulosus (Stephens, 1836)

Synonymy: *in Hemerobius* in King and Halbert (1910).

SUBGENUS *WESMAELIUS* KRÜGER, 1922

quadrifasciatus (Reuter, 1894)

MICROMINAE

***MICROMUS* RAMBUR, 1842**

angulatus (Stephens, 1836)

paganus (Linnaeus, 1767)

variegatus (Fabricius, 1793)

NOTIOBIELLINAE

***PSECTRA* HAGEN, 1866**

diptera (Burmeister, 1839)

4. OSMYLIDAE

OSMYLINAE

***OSMYLUS* LATREILLE, 1802**

fulvicephalus (Scopoli, 1763)

Synonymy: *Osmylus chrysops* auctt., nec (Linnaeus, 1758)

5. SISYRIDAE

***SISYRA* BURMEISTER, 1839**

dalii McLachlan, 1866

nigra (Retzius, 1783)

Synonymy: *Sisyra fuscata* (Fabricius, 1793) *in* King and Halbert (1910); *S. fuscatus* *in* Barnard, O'Connor and Speight (1991).

terminalis Curtis, 1854

ODONATA

Nomenclature follows Schorr and Paulson (2011). The Irish dragonflies and damselflies (Odonata) were listed by Nelson and Thompson (2004). Synonyms which appear in King and Halbert (1910) are also given. The aquatic nymphs are carnivorous. After emergence, the adults live by actively hunting other insects.

ZYGOPTERA

CALOPTERYGOIDEA

1. CALOPTERYGIDAE

***CALOPTERYX* LEACH, 1815**

splendens (Harris, 1780)

virgo (Linnaeus, 1758)

LESTOIDEA

2. LESTIDAE

***LESTES* LEACH, 1815**

[*barbarus* (Fabricius, 1798)]

Footnote: King and Halbert (1910) considered the Irish record to be extremely doubtful.

dryas Kirby, 1890

sponsa (Hansemann, 1823)

COENAGRIONOIDEA

3. COENAGRIONIDAE

[*CERIAGRION* SÉLYS, 1876]

[*tenellum* (de Villers, 1789)]

Footnote: as the three published claims are unsupported by vouchers or adequate descriptions, the Irish status of the species requires confirmation.

COENAGRION KIRBY, 1890

lunulatum (Charpentier, 1840)

puella (Linnaeus, 1758)

Synonymy: *in Agrion* in King and Halbert (1910).

pulchellum (Vander Linden, 1825)

Synonymy: *in Agrion* in King and Halbert (1910).

ENALLAGMA CHARPENTIER, 1840

cyathigerum (Charpentier, 1840)

[ERYTHROMMA CHARPENTIER, 1840]

[*najas* (Hansemann, 1823)]

Footnote: the Irish status requires confirmation.

ISCHNURA CHARPENTIER, 1840

elegans (Vander Linden, 1820)

pumilio (Charpentier, 1825)

PYRRHOSOMA CHARPENTIER, 1840

nymphula (Sulzer, 1776)

ANISOPTERA

AESHNOIDEA

4. AESHNIDAE

AESHNA FABRICIUS, 1775

cyanea (Müller, 1764)

Footnote: recorded from Co. Cork by Bond (1989).

grandis (Linnaeus, 1758)

Synonymy: *in Aeschna* in King and Halbert (1910).

junceae (Linnaeus, 1758)

Synonymy: *in Aeschna* in King and Halbert (1910).

mixta Latreille, 1805

Footnote: recorded from Co. Wexford by Nelson, Ronayne and Thompson (2003).

ANAX LEACH, 1815

ephippiger (Burmeister, 1839)

Synonymy *in Hemianax* in Nelson and Thompson (2004).

Footnote: a very rare vagrant, recorded first in 1913 and again in 2011, when three specimens were seen.

imperator Leach, 1815

Footnote: recorded from Cos Cork, Wexford and Wicklow by Nelson, Ronayne and Thompson (2003).

parthenope (Sélys, 1839)

Footnote: recorded from Co. Cork by Nelson, Ronayne and Thompson (2003).

BRACHYTRON EVANS, 1845

pratense (Müller, 1764)

CORDULEGASTROIDEA

5. CORDULEGASTRIDAE

CORDULEGASTER SÉLYS, 1843

boltonii (Donovan, 1807)

Synonymy: *Cordulegaster annulatus*: (Latreille, 1804), nec Fabricius, 1775 *in* King and Halbert (1910).

Footnote: although there is a Haliday specimen from Ireland preserved in the National Museum of Ireland and other reports of the species, its Irish status was not confirmed until 2005 (Nelson, 2011).

6. [GOMPHIDAE]

[*GOMPHUS* CHARPENTIER, 1825]

[vulgatissimus (Linnaeus, 1758)]

Footnote: an Irish specimen was cited in King and Halbert (1910) but there are no recent records. The individual may have been a vagrant or belonged to a now extinct population.

LIBELLULOIDEA

7. CORDULIIDAE

CORDULIA LEACH, 1815

aenea (Linnaeus, 1758)

SOMATOCHLORA SÉLYS, 1871

arctica (Zetterstedt, 1840)

8. LIBELLULIDAE

LIBELLULA LINNAEUS, 1758

depressa Linnaeus, 1758

Footnote: only recorded once in 1834 from Co. Waterford.

fulva Müller, 1764

Footnote: only recorded once from Co.

Kerry.

quadrимaculata Linnaeus, 1758

ORTHETRUM NEWMAN, 1833

cancellatum (Linnaeus, 1758)

coerulescens (Fabricius, 1798)

SYMPETRUM NEWMAN, 1833

danae (Sulzer, 1776)

Synonymy: *Sympetrum scoticum* Donovan, 1811 in King and Halbert (1910).

flaveolum (Linnaeus, 1758)

Footnote: the species has only been reported a few times from Ireland with confirmed records from Co. Wexford (Rippey, 2001).

fonscolombii (Sélys, 1840)

Footnote: first recorded in 1941, the Irish distribution of this species reflects its migratory behaviour, most being reported from coastal localities in the east and south.

[nigrescens Lucas, 1912]

Footnote: new evidence has been provided by two genetic and morphological studies which shows that *Sympetrum nigrescens* is indistinguishable from *S. striolatum* (Parkes *et al.*, 2009; Pilgrim and von Dohlen, 2007).

sanguineum (Müller, 1764)

striolatum (Charpentier, 1840)

ORTHOPTERA

The Irish crickets, grasshoppers and related insects (Orthoptera) were listed by Marshall and Haes (1990). Cotton (1982) provided a synopsis of the group (*sensu lato*) in Ireland. Additions since that paper are indicated. Some imported species of interest are also included. Other exotic species will be found in Nash and O'Connor (1990). Grasshoppers feed primarily on grass but animal matter is important in the diet of crickets.

CAELIFERA

ACRIDOIDEA

1. ACRIDIDAE

{CALLIPTAMINAE}

{CALLIPTAMUS SERVILLE, 1831}

{italicus (Linnaeus, 1758)}

Footnote: a specimen was found in a car imported from southern Europe into Belfast (O’Connor and Nash, 1979).

{CYRTACANTHACRIDINAE}

{ANACRIDIDIUM UVAROV, 1923}

{aegyptium (Linnaeus, 1764)}

Footnote: adults have been frequently imported into Ireland with fruit, vegetables and other goods from the Mediterranean region.}

{SCHISTOCERCA STÅL, 1873}

{gregaria (Forskål, 1775)}

Footnote: several specimens have been found in Ireland (Cotton, 1982; Marshall and Haes, 1990). An individual arrive in Co. Cork at the same time as Saharan dust was being deposited in southern areas of the British Isles (Bond and Blackith, 1987).

GOMPHOCERINAE

CHORTHIPPUS FIEBER, 1852

albomarginatus (De Geer, 1773)

brunneus (Thunberg, 1815)

MYRMELEOTETTIX BOLIVAR, 1914

maculatus (Thunberg, 1815)

OMOCESTUS BOLIVAR, 1878

viridulus (Linnaeus, 1758)

OEDIPODINAE

{LOCUSTA LINNAEUS, 1758}

{migratoria (Linnaeus, 1758)

subspecies gallica (Remaudière, 1947)

subspecies migratoria (Linnaeus, 1758)}

Footnote: migrant specimens occasionally reach Ireland from mainland Europe but so far never in sufficient numbers to cause problems here (Marshall and Haes, 1990).

STETHOPHYMA FISCHER, 1853

grossum (Linnaeus, 1758)

TETRIGOIDEA

2. TETRIGIDAE

TETRIX LATREILLE, 1802

SUBGENUS TETRIX LATREILLE, 1802

subulata (Linnaeus, 1758)

SUBGENUS TETRATETRIX

KARAMAN, 1965

undulata (Sowerby, 1806)

ENSIFERA

GRYLLOIDEA

3. GRYLLIDAE

GRYLLINAE

ACHETA FABRICIUS, 1775

domesticus (Linnaeus, 1758)

{GRYLLODES SAUSSURE 1874}

{supplicans (F. Walker, 1859)}

Synonymy: *Gryllodes sigillatus* (Walker, 1869) *in* O'Connor and Nash (1984).
Footnote: thousands of specimens were found in a cargo of Nigerian mahogany on Dublin docks (O'Connor and Nash, 1984).

4. GRYLLOTALPIDAE
***GRYLLOTALPA* LATREILLE, 1802**
***gryllotalpa* (Linnaeus, 1758)**

Footnote: the Irish status of this species is discussed by O'Connor (2009).

RHAPHIDOPHOROIDEA
5. RHAPHIDOPHORIDAE
RHAPHIDOPHORINAE
***TACHYCINES* ADELUNG, 1902**
***asynamorus* Adelung, 1902**

TETTIGONIOIDEA
6. CONOCEPHALIDAE
***CONOCEPHALUS* THUNBERG, 1815**
+*dorsalis* (Latreille, 1804)
Footnote: added by Marshall and Haes (1990). The species was first found in Co. Cork (Sutton, 2008).

7. MECONEMATIDAE
***MECONEMA* SERVILLE, 1831**
***thalassinum* (De Geer, 1773)**

8. PHANEROPTERIDAE
***LEPTOPHYES* FIEBER, 1853**
***punctatissima* (Bosc, 1792)**

9. TETTIGONIIDAE
***METRIOPTERA* WESMAEL, 1838**
SUBGENUS *METRIOPTERA*
WESMAEL, 1838
***roeselii* (Hagenbach, 1822)**
***PHOLIDOPTERA* WESMAEL, 1838**
+*griseoptera* (De Geer, 1773)

Footnote: added from Co. Waterford by O'Connor and O'Connor (1985).
{***TETTIGONIA* LINNAEUS, 1758**}
{*viridissima* (Linnaeus, 1758)}
Footnote: a live female was discovered in a tent in Co. Cork. The Irish holiday-maker had returned from France (Good and Cullinane, 1990).

PHASMATODEA

Only one species of stick-insect (Phasmatodea) is known from Ireland (Lee, 2004). Stick-insects are plant feeders and their natural camouflage can make them extremely difficult to spot in the wild.

1. PHASMATIDAE
***ACANTHOXYLA* UVAROV, 1955**
***inermis* Salmon, 1955**
Synonymy: *Clitarchus hookeri* (White,

1846) misidentification *in* Goodhue, Greer Walker and Blackith (1964).
Footnote: the species occurs in the south-west particularly around the Bay of

Kenmare in Co. Kerry (Lee, 2004).
Acanthoxyla inermis originates from New

Zealand.

PHTHIRAPTERA

The Irish biting and sucking lice (Phthiraptera) were reviewed by Butler and O’Connor (1994), and by O’Connor, Sleeman and Butler (2005). These wingless insects feed on birds and mammals including humans.

AMBLYCERA

LAEMOBOTHRIOIDEA

1. LAEMOBOTHRIIDAE

LAEMOBOTHRION NITZSCH, 1818
tinnunculi (Linnaeus, 1758)

MENOPONOIDEA

2. MENOPONIDAE

ACTORNITHOPHILUS FERRIS, 1916
SUBGENUS *ACTORNITHOPHILUS*
FERRIS, 1916
bicolor (Piaget, 1880)
[*ochraceus* (Nitzsch, 1818)]

Footnote: the Irish status of the species requires confirmation.

[?*paludosus* Clay, 1962]

Footnote: the sole specimen was in poor condition and was therefore only provisionally identified.

patellatus (Piaget, 1890)
spinulosus (Piaget, 1880)
[?*totani* (Schränk, 1803)]

Footnote: the sole specimen was in poor condition and was therefore only provisionally identified.

SUBGENUS *LARITHOPHILUS*
ZLOTORZYCKA, 1963

piceus (Denny, 1842)
ALLOCOLPOCEPHALUM QADRI,
1939

fregili (Denny, 1842)
Synonymy: *in Colpocephalum* in Butler and O’Connor (1994).

AMYRSIDEA EWING, 1927
SUBGENUS *ARGIMENOPON*
EICHLER, 1947

fulvomaculata (Denny, 1842)
AUSTROMENOPON BEDFORD, 1939
lutescens (Burmeister, 1838)
nigropleurum (Denny, 1842)
transversum (Denny, 1842)

CICONIPHILUS BEDFORD, 1939
decimfasciatus (Boisduval and
Lacordaire, 1835)

COLPOCEPHALUM NITZSCH, 1818
leptopygos Nitzsch *in* Giebel, 1874
DENNYUS NEUMANN, 1906
SUBGENUS *DENNYUS* NEUMANN,
1906

hirundinis (Linnaeus, 1758)
MENACANTHUS NEUMANN, 1912
eurysternus (Burmeister, 1838)
subspecies *minusculus*
Blagoveshtchensky, 1940

Synonymy: *Menacanthus minusculus*
Blagoveshtchensky, 1940 in Butler and
O'Connor (1994).

MYRSIDEA WATERSTON, 1915

cornicis (De Geer, 1778)

+*franciscoloi* Conci, 1942

Footnote: recorded from Co. Cork by
Doyle, O'Halloran and Smiddy (2004).

isostoma (Nitzsch, 1866)

lyali Klockenhoff, 1984

picae (Linnaeus, 1758)

PSEUDOMENOPON MJÖBERG, 1910

pilosum (Scopoli, 1763)

TRINOTON NITZSCH, 1818

[*anserinum* (J. C. Fabricius,
1805)]

Footnote: the Irish status of the species
requires confirmation.

[*luridum* Nitzsch in Giebel, 1838]

Footnote: the Irish status of the species
requires confirmation.

querquedulae (Linnaeus, 1758)

RICINOIDEA

3. RICINIDAE

RICINUS DE GEER, 1778

+*fringillae* De Geer, 1778

Footnote: recorded from Co. Dublin by
O'Connor (2005a).

japonicus (Uchida, 1915)

ANOPLURA

ATENTORIA

LINOGNATHOIDEA

4. ENDERLEINELLIDAE

**ENDERLEINELLUS FAHRENHOLZ,
1912**

longiceps Kellogg and Ferris,
1915

5. HOPLOPLEURIDAE

HOPLOPLEURA ENDERLEIN, 1904

[*acanthopus* (Burmeister, 1839)]

Footnote: the Irish record was mistakenly
based on Scottish material.

sciuricola Ferris, 1921

6. LINOGNATHIDAE

LINOGNATHUS ENDERLEIN, 1905

setosus (v. Olfers, 1816)

vituli (Linnaeus, 1758)

SOLENOPOTES ENDERLEIN, 1904

burmeisteri (Fahrenheit, 1919)

capillatus Enderlein, 1914

7. POLYPLACIDAE

HAEMODIPSUS ENDERLEIN, 1904

lyriocephalus (Burmeister, 1839)

ventricosus (Denny, 1842)

**NEOHAEMATOPINUS MJÖBERG,
1910**

sciuri Jancke, 1932

POLYPLAX ENDERLEIN, 1904

serrata (Burmeister, 1839)

spinulosa (Burmeister, 1839)

8. PTHIRIDAE

PTHIRUS LEACH, 1815

pubis (Linnaeus, 1758)

PEDICULOIDEA

9. HAEMATOPINIDAE

HAEMATOPINUS LEACH, 1815

asini (Linnaeus, 1758)

eurysternus (Nitzsch, 1818)

suis (Linnaeus, 1758)

10. PEDICULIDAE

PEDICULUS LINNAEUS, 1758

capitis De Geer, 1778

humanus Linnaeus, 1758

ISCHNOCERA

PHILOPTEROCERA

GONIDOIDEA

11. GONIODIDAE

CHELOPISTES KÉLER, 1937

meleagridis (Linnaeus, 1758)

Synonymy: *in* Philopteridae *in* Butler and O'Connor (1994).

COLOCERAS TASCHENBERG, 1882

damicornis (Nitzsch, 1866)

Synonymy: *in* Philopteridae *in* Butler and O'Connor (1994).

GONIODES NITZSCH, 1818

pavonis (Linnaeus, 1758)

[OULOCREPIS KÉLER, 1939]

[*dissimilis* (Denny, 1842)]

Synonymy: *in* Goniodes *in* Butler and O'Connor (1994).

Footnote: the Irish status of the species

requires confirmation.

ZLOTORZYCKELLA EICHLER, 1981

colchici (Denny, 1842)

Synonymy: *in* Goniodes *in* Butler and O'Connor (1994).

PHILOPTEROIDEA

12. PHILOPTERIDAE

ANATICOLA CLAY, 1936

anseris (Linnaeus, 1758)

crassicornis (Scopoli, 1763)

[*mergiserrati* (De Geer, 1778)]

Footnote: the Irish status of the species requires confirmation.

tadornae (Denny, 1842)

[ANATOECCUS CUMMINGS, 1916

SUBGENUS ANATOECCUS

CUMMINGS, 1916]

[*cygni* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

[*icterodes* (Nitzsch, 1818)]

Footnote: the Irish status of the species requires confirmation.

AQUANIRMUS CLAY AND

MEINERTZHAGEN, 1939

colymbinus (Scopoli, 1763)

ARDEICOLA CLAY, 1936

ardeae (Linnaeus, 1758)

rhaphidius (Nitzsch *in* Giebel, 1866)

BRUEELIA KÉLER, 1936

[*iliaci* (Denny, 1842)]

Footnote: the Irish status of the species requires confirmation.

marginata (Burmeister, 1838)

nebulosa (Burmeister, 1838)

**CARDUICEPS CLAY AND
MEINERTZHAGEN, 1939**

cingulatus (Denny, 1842)

meinertzhageni Timmermann,
1954

scalaris (Piaget, 1880)

**CHADRACEPS ZLOTORZYCKA,
1967**

hiaticulae (O. Fabricius, 1780)

subspecies *boephilus* (Kellogg,
1896)

Synonymy: *in Degeeriella*
in Butler and O'Connor (1994). *D.*
boephila *in* Butler and O'Connor (1994).

subspecies *hiaticulae* (O.
Fabricius, 1780)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

CINCLOECUS EICHLER, 1951

+*cincli* (Denny, 1842)

Synonymy: *in Philopterus* *in* Doyle,
O'Halloran and Smiddy (2004).

Footnote: recorded from Cos Cork and
Waterford by Doyle, O'Halloran and
Smiddy (2004).

COLUMBICOLA EWING, 1929

columbae (Linnaeus, 1758)

CORVONIRMUS EICHLER, 1944

varius (Burmeister, 1838)

Synonymy: *in Brueelia* *in* Butler and
O'Connor (1994).

[**CRASPEDORHYNCHUS KÉLER,
1938**

[*aquilinus* (Denny, 1842)]

Footnote: the Irish status of the species
requires confirmation.

CUMMINGSIELLA EWING, 1930

ovalis (Scopoli, 1763)

**FULICOFFULA CLAY AND
MEINERTZHAGEN, 1938**

lurida (Nitzsch, 1818)

IBIDOECCUS CUMMINGS, 1916

plataleae (Denny, 1842)

KELERINIRMUS EICHLER, 1940

fuscus (Denny, 1842)

Synonymy: *in Degeeriella*
in Butler and O'Connor (1994).

rufus (Burmeister, 1838)

Synonymy: *in Degeeriella*
in Butler and O'Connor (1994).

KOENIGINIRMUS EICHLER, 1940

normifer (Grube, 1851)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

ornatus (Grube, 1851)

subspecies *striolatus* (Nitzsch *in*
Giebel, 1866)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994). *C.*
striolatus (Nitzsch *in* Giebel) *in* Butler and
O'Connor (1994).

punctatus (Burmeister, 1838)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[*sellatus* (Burmeister, 1838)]

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

[LAGOPOECUS WATERSTON, 1922]

[*lyrurus* Clay, 1938]

Footnote: the Irish status of the species
requires confirmation.

LUNACEPS CLAY AND
MEINERTZHAGEN, 1939

actophilus (Kellogg and
Chapman, 1899)

holophaeus (Burmeister, 1838)

limosella Timmermann, 1954

numenii (Denny, 1842)

MEROPOECUS EICHLER, 1940

meropis (Denny, 1842)

MEROPSIELLA CONCI, 1941

apiastri (Denny, 1842)

Synonymy: *in Brueelia* Kéler, 1936
in Butler and O'Connor (1994).

MJOBERGINIRMUS EICHLER, 1944

alcae (Denny, 1842)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[ORNITHOBIUS DENNY, 1842]

[*cygni* (Linnaeus, 1758)]

Footnote: the Irish status of the species
requires confirmation.

PECTINOPYGUS MJÖBERG, 1910

bassani (O. Fabricius, 1780)

PERINEUS HARRISON, 1936

nigrolimbatus (Giebel, 1874)

PHILICHTHYOPHAGA HARRISON,
1935

[*brevicornis* (Denny, 1842)]

Synonymy: *in Pectinopygus* *in* Butler and
O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

gyricornis (Denny, 1842)

Synonymy: *in Pectinopygus* *in* Butler and
O'Connor (1994).

PHILOPTERUS NITZSCH, 1818

atratus Nitzsch, 1818

chloridis (Schrank, 1776)

corvi (Linnaeus, 1758)

+*fringillae* (Scopoli, 1772)

subspecies *fringillae* (Scopoli,
1772)

Footnote: recorded from Co. Dublin by
O'Connor (2005b).

garruli Boisduvale and
Lacordaire, 1835

guttatus Denny, 1842

+*modularis* (Denny, 1842)

Footnote: recorded from Co. Dublin by
O'Connor (2008b).

picae (Denny, 1842)

rubeculae (Denny, 1842)

turdi (Denny, 1842)

subspecies *merulae* (Denny, 1842)

Synonymy: *Philopterus merulae* (Denny)
in Butler and O'Connor (1994).

[**PICOPHILOPTERUS** ANSARI, 1947]

[**serrilimbus** (Burmeister, 1838)]

Synonymy: *in Penenirmus* Clay and Meinertzhagen 1938 *in* Butler and O'Connor (1994).

Footnote: the Irish status of the species requires confirmation.

[**QUADRACEPS** CLAY AND
MEINERTZHAGEN, 1939]

auratus (Haan, 1829)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

charadrii (Linnaeus, 1758)

subspecies charadrii (Linnaeus,
1758)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

subspecies hospes (Nitzsch *in*
Giebel, 1866)

Synonymy: *Cummingsiella hospes*
(Nitzsch *in* Giebel) *in* Butler and
O'Connor (1994).

conformis (Blagoveshtchensky,
1940)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[**fissus** (Burmeister, 1838)]

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

junceus (Scopoli, 1763)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[**obscurus** (Burmeister, 1838)]

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

Footnote: the Irish status of the species
requires confirmation.

similis (Giebel, 1866)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

strepsilaris (Denny, 1842)

Synonymy: *in Cummingsiella*
in Butler and O'Connor (1994).

[**RALLICOLA** JOHNSON AND
HARRISON, 1911]

[**ortygometrae** (Schränk, 1781)]

Footnote: the Irish status of the species
requires confirmation.

[**SAEMUNDSSONIA** TIMMERMAN,
1935]

celidoxa (Burmeister, 1838)

euryrhyncha (Giebel, 1874)

haematopi (Linnaeus, 1758)

lari (O. Fabricius, 1780)

limosae (Denny, 1842)

merguli (Denny, 1842)

platygaster (Denny, 1842)

[**tringae** (O. Fabricius, 1780)]

Footnote: the Irish status of the species
requires confirmation.

scolopacisphaeopodis (Schränk,
1803)

subspecies humeralis (Denny,
1842)

Synonymy: *Saemundssonina humeralis*
(Denny) *in* Butler and O'Connor (1994).

**SCOLOPACEPS EICHLER AND
ZLOTORZYCKA, 1964**

aureus (Hopkins, 1949)

Synonymy: *in Cummingsiella* in Butler
and O'Connor (1994).

**[STRIGIPHILUS MJÖBERG, 1910
SUBGENUS EUSTRIGIPHILUS
EWING, 1926]**

[ceblebrachys (Denny, 1842)]

Footnote: the Irish status of the species
requires confirmation.

TYTONIELLA EICHLER, 1939

rostrata (Burmeister, 1838)

Synonymy: *in Strigiphilus* in Butler and
O'Connor (1994).

STURNIDOECUS EICHLER, 1944

[pastoris (Denny, 1842)]

Footnote: the Irish status of the species
requires confirmation.

sturni (Schrank, 1776)

TRABECULUS RUDOW, 1866

aviator (Evans, 1912)

TRICHODECTOCERA

TRICHODECTOIDEA

13. BOVICOLIIDAE

BOVICOLA EWING, 1929

Synonymy: *Bovicola* was placed in the
Trichodectidae *in* Butler and O'Connor
(1994)

SUBGENUS BOVICOLA EWING, 1929

bovis (Linnaeus, 1758)

conconvifrons (Hopkins, 1960)

limbatus (Gervais, 1844)

longicornis (Nitzsch, 1818)

ovis (Schrank, 1781)

tibialis (Piaget, 1880)

DAMALINIA MJÖBERG, 1910

Synonymy: *Damalinia* was placed in the
Trichodectidae *in* Butler and O'Connor
(1994)

**SUBGENUS CERVICOLA KÉLER,
1938**

meyeri (Taschenberg, 1882)

WERNECKIELLA EICHLER, 1940

ocellata (Piaget, 1880)

Synonymy: *Werneckiella* was placed in the
Trichodectidae *in* Butler and O'Connor
(1994).

14. TRICHODECTIDAE

FELICOLA EWING, 1929

**SUBGENUS SURICATOECUS
BEDFORD, 1932**

vulpis (Denny, 1842)

LUTRIDIA KÉLER, 1938

exilis (Nitzsch *in* Giebel, 1861)

TRICHODECTES NITZSCH, 1818

**SUBGENUS STACHIELLA, KÉLER
1938**

ermineae (Hopkins, 1941)

**SUBGENUS TRICHODECTES
NITZSCH, 1818**

canis (De Geer, 1778)

melis (J. C. Fabricius, 1805)

PLECOPTERA

The Irish stoneflies (Plecoptera) were reviewed by Costello (1988) and listed by Ashe, O'Connor and Murray (1998). The immature stages (nymphs) are aquatic and primarily vegetarians. However some of the larger species are carnivorous. The adults are short-lived after their emergence from the water. They are often observed crawling about on stones. [For distribution, life-histories and ecology, see Feeley, Baars and Kelly-Quinn (2016)]

ARCTOPERLARIA

NEMOUROIDEA

1. CAPNIIDAE

CAPNIINAE

CAPNIA PICTET, 1841

atra Morton, 1896

bifrons (Newman, 1839)

Synonymy: *Capnia nigra*: auctt. nec.
(Pictet, 1833).

2. LEUCTRIDAE

LEUCTRINAE

LEUCTRA STEPHENS, 1836

fusca (Linnaeus, 1758)

Synonymy: *Leucta klapálecki* Kempny,
1899 *in* King and Halbert (1910); *Leuctra*
fusciventris Stephens, 1836 *in* Harris
(1952).

hippopus Kempny, 1899

inermis Kempny, 1899

[*moselyi* Morton, 1929]

Footnote: reported by Anon. (1966) but its
Irish status requires confirmation.

+*nigra* (Olivier, 1811)

Footnote: adults of *Leuctra nigra* were
recorded from Co. Cavan by O'Connor
and Costello (1997).

3. NEMOURIDAE

AMPHINEMURINAE

AMPHINEMURA RIS, 1902

sulcicollis (Stephens, 1836)

PROTONEMURA KEMPNY, 1898

meyeri (Pictet, 1841)

Synonymy: *in Nemoura* *in* King and
Halbert (1910).

[*montana* Kimmins, 1941]

Footnote: reported by Spence and West
(1964) but its Irish status requires
confirmation.

praecox (Morton, 1894)

Synonymy: *in Nemoura* *in* King and
Halbert (1910).

NEMOURINAE

NEMOURA LATREILLE, 1796

avicularis Morton, 1894

[*cambrica* Stephens, 1836]

Footnote: reported by Rogers (1966) and
Fahy (1974) but its Irish status requires
confirmation.

cinerea (Retzius, 1783)

Synonymy: *Nemoura variegata* Olivier,
1811 *in* King and Halbert (1910) and *in*
Harris (1952).

[*erratica* Claassen, 1936]

Footnote: reported by Fahy (1974) but its

Irish status requires confirmation.

NEMURELLA KEMPNY, 1898

pictetii Klapálek, 1900

Synonymy: *Nemoura inconspicua* Pictet, 1836 [nomen dubium] in King and Halbert, 1910).

4. TAENIOPTERYGIDAE

BRACHYPTERAINAE

BRACHYPTERA NEWPORT, 1849

risi (Morton, 1896)

Synonymy: in *Taeniopteryx* in King and Halbert (1910).

[TAENIOPTERYGINAE]

[TAENIOPTERYX PICTET, 1841]

[nebulosa (Linnaeus, 1758)]

Footnote: A. H. Haliday's record cited in King and Halbert (1910) requires confirmation.

PERLOIDEA

5. CHLOROPERLIDAE

CHLOROPERLINAE

CHLOROPERLA NEWMAN, 1836

tripunctata (Scopoli, 1763)

Synonymy: in *Isopteryx* in King and Halbert (1910).

SIPHONOPERLA ZWICK, 1967

torrentium (Pictet, 1841)

Synonymy: in *Isopteryx* in King and Halbert (1910); in *Chloroperla* in Harris (1952).

6. PERLIDAE

PERLINAE

DINOCRAS KLAPÁLEK, 1907

cephalotes (Curtis, 1827)

Synonymy: in *Perla* in King and Halbert (1910) and in Harris (1952).

PERLA GEOFFROY, 1762

bipunctata Pictet, 1833

Synonymy: *Perla maxima* auctt. nec (Scopoli, 1763) in King and Halbert (1910); *Perla carlukiana* (Klapálek, 1907) in Harris (1952).

7. PERLODIDAE

ISOPERLINAE

ISOPERLA BANKS, 1906

grammatica (Poda, 1761)

Synonymy: in *Chloroperla* in King and Halbert (1910).

PERLODINAE

DIURA BILLBERG, 1820

bicaudata (Linnaeus, 1758)

Synonymy: *Dictyopteryx* (*Dictyopterygella*) *recta* Kempny, 1901 in King and Halbert (1910); *Dictyopterygella recta* in Harris (1952).

PERLODES BANKS, 1903

microcephalus (Pictet, 1833)

Synonymy: *Dictyopteryx mortoni* (Klapálek, 1906) in King and Halbert (1910).

PSOCOPTERA

The Irish Psocoptera were listed by Smithers, O'Connor and Peters (2000). Commonly known as booklice, barklice or barkflies, they are small, scavenging insects feeding primarily on fungi, algae, lichens and organic detritus.

TROGIOMORPHA

ATROPETAE

1 LEPIDOPSOCIDAE

ECHINOPSOCINAE

PTEROXANIUM ENDERLEIN, 1922

kelloggi (Ribaga, 1905)

2. TROGIIDAE

CEROBASIS KOLBE, 1882

guestfalica (Kolbe, 1880)

Synonymy: *in Hyperetes* in King and Halbert (1910).

LEPINOTUS HEYDEN, 1850

[*inquilinus* Heyden, 1850]

Synonymy: Fahy (1970) considers that this species was confused with *Lepinotus patruelis* Pearman, 1931.

Footnote: recorded *in* King and Halbert (1910).

patruelis Pearman, 1931

TROGIUM ILLIGER, 1798

pulsatorium (Linnaeus, 1758)

Synonymy: *in Atropos* in King and Halbert (1910).

PSOCATHROPETAE

3. PSYLLIPSOCIDAE

DORYPTERYX AARON, 1883

domestica (Smithers, 1958)

+*longipennis* Smithers, 1991

Footnote: recorded from Co. Dublin by O'Connor and Vaucheret (2006).

PSYLLIPSOCUS SELYS-

LONGCHAMPS, 1872

ramburii Selys-Longchamps, 1872

TROCTOMORPHA

NANOPSOCETAE

4. LIPOSCELIDIDAE

LIPOSCELIDINAE

LIPOSCELIS MOTSCHULSKY, 1852

bostrychophila Badonnel, 1931

corrodens (Heymons, 1909)

Synonymy: *Liposcelis subfuscus*

Broadhead, 1947 *in* Fahy (1970) and *in* Smithers (1978).

[*divinatoria* (Mueller, 1776)]

Synonymy: *in Troctes* in King and Halbert (1910). Fahy (1970) recommended that *Liposcelis divinatorius* should be deleted from the Irish list. Many species of *Liposcelis* in the past have been identified under the name '*Liposcelis divinatorius* Mueller', and (in the absence of any type material), it is impossible to state to which entity this name should properly be applied (New, 2005).

5. SPHAEROPSOCIDAE

BADONNELIA PEARMAN, 1953

titei Pearman, 1953

PSOCOMORPHA

CAECILIUSETAE

CAECILIUSOIDEA

6. CAECILIUSIDAE

CAECILIUSINAE

CAECILIUSINI

CAECILIUS CURTIS, 1837

fuscopterus (Latreille, 1799)

CORYPHACINI

VALENZUELA NAVÁS, 1924

Synonymy: *Caecilius* in Smithers,
O'Connor and Peters (2000).

burmeisteri (Brauer, 1876)

Synonymy: *in Caecilius* in King and
Halbert (1910) and *in Smithers*, O'Connor
and Peters (2000).

corsicus (Kolbe, 1882)

Synonymy: *Caecilius rhenanus* Tetens,
1891 *in Smithers*, O'Connor and Peters
(2000).

flavidus (Stephens, 1836)

Synonymy: *in Caecilius* in King and
Halbert (1910) and *in Smithers*, O'Connor
and Peters (2000).

piceus (Kolbe, 1882)

Synonymy: *in Caecilius* in Fahy (1970)
and *in Smithers*, O'Connor and Peters
(2000).

EPICAECILIINI

EPICAECILIUS MOCKFORD, 2000

pilipennis (Lienhard, 1996)

Footnote: recorded from Cos Fermanagh
and Londonderry by Alexander and Saville
(2009).

PARACAECILIINAE

ENDERLEINELLA BADONNEL, 1932

obsoleta (Stephens, 1836)

Synonymy: *in Caecilius* in King and
Halbert (1910); *Caecilius perlatus* Kolbe,
1880 *in King* and Halbert (1910).

7. STENOPSOCIDAE

GRAPHOPSOCUS KOLBE, 1880

cruciatus (Linnaeus, 1768)

STENOPSOCUS HAGEN, 1866

immaculatus (Stephens, 1836)

EIPSOCETAE

8. EIPSOCIDAE

BERTKAUIA KOLBE, 1882

Synonymy: *Epipsocus auctt* in Smithers,
O'Connor and Peters (2000).

lucifuga (Rambur, 1842)

Synonymy: *in Epipsocus* in Smithers,
O'Connor and Peters (2000).

HOMIOPSOCIDEA

9. ECTOPSOCIDAE

ECTOPSOCUS MCLACHLAN, 1899

axillaris (Smithers, 1969)

briggsi McLachlan, 1899

meridionalis Ribaga, 1904

petersi Smithers, 1978

10. ELIPSOCIDAE

ELIPSOCINAE

CUNEOPALPUS BADONNEL, 1943

cyanops (Rostock, 1876)

Synonymy: *in Elipsocus* in King and Halbert (1910).

ELIPSOCUS HAGEN, 1866

abdominalis Reuter, 1904

hyalinus (Stephens, 1836)

Synonymy: *Elipsocus abietis* Kolbe, 1880 in King and Halbert (1910).

+*moebiusi* Tetens, 1891

Footnote: recorded from Cos Antrim, Fermanagh and Londonderry by Alexander and Saville (2009).

nuptialis Roesler, 1954

pumilis (Hagen, 1861)

Synonymy: *Elipsocus westwoodi* McLachlan, 1867 in King and Halbert (1910) and *in* Smithers, O'Connor and Peters (2000).

PSEUDOPSOCINAE

PSEUDOPSOCUS KOLBE, 1882

+*rostocki* Kolbe, 1882

Footnote: recorded from Co. Fermanagh by Alexander and Saville (2009).

REUTERELLA ENDERLEIN, 1903

helvimacula (Enderlein, 1901)

11. LACHESILLIDAE

LACHESILLINAE

LACHESILLA WESTWOOD, 1840

pedicularia (Linnaeus, 1758)

Synonymy: *in Pterodela* in King and Halbert (1910).

12. MESOPSOCIDAE

MESOPSOCUS KOLBE, 1880

immunis (Stephens, 1836)

unipunctatus (Müller, 1764)

13. PERIPSOCIDAE

PERIPSOCUS HAGEN, 1866

alboguttatus (Dalman, 1823)

didymus Roesler, 1939

+*milleri* (Tillyard, 1923)

Footnote: recorded from Cos Antrim and Tyrone by Alexander and Saville (2009).

phaeopterus (Stephens, 1836)

subfasciatus (Rambur, 1842)

Synonymy: *Peripsocus subpupillatus* McLachan in King and Halbert (1910).

14. PHILOTARSIDAE

PHILOTARSINAE

PHILOTARSUS KOLBE, 1880

+*parviceps* Roesler, 1954

Footnote: recorded from Cos Antrim, Down, Fermanagh, Londonderry and Tyrone by Alexander and Saville (2009).

picicornis (Fabricius, 1793)

Synonymy: *Philotarsus flaviceps* (Stephens) in King and Halbert (1910). All Irish records require re-examination as *P. picicornis* may have been confused with *P.*

parviceps in the past (Alexander and Saville, 2009).

15. TRICHOPSOCIDAE

TRICHOPSOCUS KOLBE, 1882

clarus (Banks, 1908)

Synonymy: *Trichopsocus acuminatus* Badonnel, 1943 in Fahy (1970) and Smithers, O'Connor and Peters (2000).

[*dalii* (McLachlan, 1867)]

Synonymy: *Trichopsocus dalei* (McLachlan) in King and Halbert (1910). Fahy (1970) indicated that this species was confused with *T. acuminatus* (now *clarus*).

PSOCETAE

16. PSOCIDAE

AMPHIGERONTIINAE

AMPHIGERONTIA KOLBE, 1880

bifasciata (Latreille, 1799)

Synonymy: *Amphigerontia fasciata* (Latreille) (sic) in King and Halbert (1910).

contaminata (Stephens, 1836)

BLASTE KOLBE, 1883

SUBGENUS EUCLISMIA,

ENDERLEIN 1925

quadrifasciata (Latreille, 1794)

PSOCINAE

CERASTIPSOCINI

PSOCOCERASTIS PEARMAN, 1932

gibbosa (Sulzer, 1776)

Synonymy: *Psocus longicornis* (Fabricius)

in King and Halbert (1910).

METYLOPHORINI

METYLOPHORUS PEARMAN, 1932

nebulosus (Stephens, 1836)

Synonymy: in *Psocus* in King and Halbert (1910).

PTYCTINI

ATLANTOPSOCUS BADONNEL, 1944

+*adustus* (Hagen, 1865)

Footnote: recorded from Cos Antrim, Down, Fermanagh and Tyrone by Alexander and Saville (2009).

personatus (Hagen, 1865)

Synonymy: the Irish *A. personatus* may be a misidentification. They may instead be *A. adustus*. All voucher material needs to be checked to clarify the Irish status of *A. personatus* (Alexander and Saville, 2009).

subspecies *hibernicus* Fahy, 1967

LOENSIA ENDERLEIN, 1924

fasciata (Fabricius, 1787)

variegata (Latreille, 1799)

TRICHADENOTECHNUM ENDERLEIN, 1909

majus (Kolbe, 1880)

Synonymy: *Psocus major* Kolbe in King and Halbert (1910).

sempunctatum (Linnaeus, 1758)

Synonymy: in *Psocus* in King and Halbert (1910).

Footnote: recorded from Cos Down, Londonderry and Tyrone as new to Ireland by Alexander and Saville (2009).

SIPHONAPTERA

A comprehensive account of the Irish fleas (Siphonaptera) was given by Whitaker (2007). The adults are blood-sucking, feeding on birds and mammals including humans. By contrast, the larvae feed on detritus in the nests or homes of their hosts.

PULICOIDEA

1. PULICIDAE

PULICINI

PULEX LINNAEUS, 1758

SUBGENUS *PULEX* LINNAEUS, 1758

irritans Linnaeus, 1758

{*ECHIDNOPHAGA* OLLIFF, 1886}

{*gallinacea* (Westwood, 1875)}

Footnote: only found on a dog (*Canis familiaris*) which was held in quarantine (Smiddy and Sleeman, 1993).

ARCHAEOPSYLLINAE

ARCHAEOPSYLLINI

ARCHAEOPSYLLA DAMPF, 1908

erinacei (Bouché, 1835)

subspecies *erinacei* (Bouché, 1835)

Footnote: only one of the two European subspecies have been found in Ireland.

CTENOCEPHALIDES STILES AND COLLINS, 1930

canis (Curtis, 1826)

felis (Bouché, 1835)

subspecies *felis* (Bouché, 1835)

SPILOPSYLLINAE

SPILOPSYLLINI

SPILOPSYLLUS BAKER, 1905

cuniculi (Dale, 1878)

ORNITHOPSYLLA ROTHSCILD, 1908

laetitiae Rothschild, 1908

XENOPSYLLINAE

XENOPSYLLINI

XENOPSYLLA GLINKIEWICZ, 1907

cheopis (Rothschild, 1903)

Note: *Xenopsylla cheopis*, the well-known vector of bubonic plague, cannot maintain itself outdoors in the British Isles (Whitaker, 2007).

CERATOPHYLLOIDEA

LEPTOPSYLLINAE

LEPTOPSYLLINI

LEPTOPSYLLA JORDAN AND ROTHSCILD, 1911

SUBGENUS *LEPTOPSYLLA* JORDAN AND ROTHSCILD, 1911

segnis (Schönherr, 1811)

AMPHIPSYLLINAE

AMPHIPSYLLINI

FRONTOPSYLLA WAGNER AND IOFF, 1926

SUBGENUS *ORFRONTIA* IOFF, 1946

laeta (Jordan and Rothschild,

1920)

2. ISCHNOPSYPHYLLIDAE

ISCHNOPSYPHYLLINAE

ISCHNOPSYPHYLLI

ISCHNOPSYPHYLLUS WESTWOOD, 1833

SUBGENUS ISCHNOPSYPHYLLUS

WESTWOOD, 1833

elongatus (Curtis, 1832)

intermedius (Rothschild, 1898)

octactenus (Kolenati, 1856)

simplex Rothschild, 1906

subspecies *simplex* Rothschild,
1906

SUBGENUS HEXACTENOPSYPHYLLA

OUDEMANS, 1909

hexactenus (Kolenati, 1856)

NYCTERIDOPSYPHYLLINI

NYCTERIDOPSYPHYLLA OUDEMANS,
1906

longiceps Rothschild, 1908

3. CERATOPHYLLIDAE

CERATOPHYLLINAE

CERATOPHYLLUS CURTIS, 1832

SUBGENUS CERATOPHYLLUS

CURTIS, 1832

farreni Rothschild, 1905

subspecies *farreni* Rothschild,
1905

gallinae (Schränk, 1803)

hirundinis (Curtis, 1826)

rusticus Wagner, 1903

styx Rothschild, 1909

subspecies *jordani* Smit, 1955

subspecies *styx* Rothschild, 1909

Footnote: only two of the three European
subspecies have been recorded from
Ireland.

vagabundus (Boheman, 1866)

subspecies *insularis* Rothschild,
1906

Footnote; only one of the three European
subspecies have been recorded from
Ireland.

SUBGENUS EMMAREUS SMIT, 1983

borealis Rothschild, 1907

chasteli Beaucournu, Monnat
and Launay, 1982

columbae (Gervais, 1844)

garei Rothschild, 1902

SUBGENUS MONOPSYPHYLLUS

KOLENATI, 1857

sciurorum (Schränk, 1803)

subspecies *sciurorum* (Schränk,
1803)

AMALARAEUS IOFF, 1936

penicilliger (Grube, 1851)

subspecies *mustelae* (Dale, 1878)

Footnote: only one of the five European
subspecies have been recorded from
Ireland.

CALLOPSYPHYLLA WAGNER, 1934

SUBGENUS ORNEACUS JORDON,
1925

waterstoni (Jordon, 1925)

DASYPSYPHYLLUS BAKER, 1905

SUBGENUS DASYPSYPHYLLUS BAKER,

1905

gallinulae (Dale, 1878)

subspecies *gallinulae* (Dale, 1878)

NOSOPSYLLUS JORDAN, 1933

SUBGENUS *NOSOPSYLLUS* JORDAN,
1933

fasciatus (Bosc, 1800)

ORCHOPEAS JORDAN, 1933

howardi (Baker, 1895)

subspecies *howardi* (Baker, 1895)

PARACERAS WAGNERI, 1914

melis (Walker, 1856)

subspecies *melis* (Walker, 1856)

HYSTRICHOPSYLLOIDEA

4. HYSTRICHOPSYLLIDAE

HYSTRICHOPSYLLINAE

HYSTRICHOPSYLLINI

HYSTRICHOPSYLLA

TASCHENBERG, 1880

talpae (Curtis, 1826)

subspecies *talpae* (Curtis, 1826)

Footnote: only one of the five European
subspecies have been recorded from
Ireland.

TYPHLOCERAS WAGNER, 1903

poppei Wagner, 1903

subspecies *poppei* Wagner, 1903

5. CTENOPHTHALMIDAE

CTENOPHTHALMINAE

CTENOPHTHALMINI

CTENOPHTHALMUS KOLENATI,
1856

SUBGENUS *CTENOPHTHALMUS*

KOLENATI, 1856

nobilis (Rothschild, 1898)

subspecies *nobilis* (Rothschild,
1898)

subspecies *vulgaris* Smit, 1955

Footnote: only two of the three European
subspecies have been recorded from
Ireland.

PALAEOPSYLLA WAGNER, 1903

soricis (Dale, 1878)

subspecies *soricis* (Dale, 1878)

Footnote: only one of the six European
subspecies have been recorded from
Ireland.

DORATOPSYLLINAE

DORATOPSYLLINI

DORATOPSYLLA JORDAN AND
ROTHSCHILD, 1912

dasyncnema (Rothschild, 1897)

subspecies *dasyncnema*
(Rothschild, 1897)

Footnote: only one of the three European
subspecies have been recorded from
Ireland.

RHADINOPSYLLINAE

RHADINOPSYLLINI

RHADINOPSYLLA JORDAN AND
ROTHSCHILD, 1912

SUBGENUS *ACTENOPHTHALMUS* C.
FOX, 1925

pentacantha (Rothschild, 1897)

STREPSIPTERA

Johnson and Halbert (1902) listed the then known Strepsiptera under the name Stylopidae. Only one species was recorded. The early stages are parasitoids of mainly bees (Hymenoptera) and plant hoppers (Hemiptera). The adult males are winged with the hind wings larger than the front ones. In all the Irish species, the females are grub-like and remain parasitic throughout their lives.

STYLOPIDIA

1. ELENCHIDAE

ELENCHUS CURTIS, 1831

tenuicornis (Kirby, 1815)

Footnote: a modern record from Co. Dublin is given by O’Connor (1990).

2. STYLOPIDAE

STYLOPINAE

HALICTOXENOS PIERCE, 1908

+spencei Nasonow, 1893

Footnote: recorded from Co. Dublin by Ronayne and O’Connor (2006).

+tumulorum Perkins, 1918

Footnote: recorded from Co. Dublin by Ronayne and O’Connor (2006).

STYLOPS KIRBY, 1802

+melittae Kirby, 1802

Footnote: recorded from Cos Dublin, Kerry, Wexford and Wicklow by O’Connor and Ronayne (2007).

THYSANOPTERA

The Irish thrips (Thysanoptera) were listed by O’Connor (2008a). Also called thunderflies, they feed on a large variety of food sources, both plant and animal, by puncturing them and sucking up the contents. A large number of thrips species are considered pests, because they attack commercial plants. The adults have fringed wings. [see also Thysanoptera Britannica et Hibernica Thrips of the British Isles <https://keys.lucidcentral.org/keys/v3/british_thrips/>]

TEREBRANTIA

1. THRIPIDAE

ANAPHOTHRIPS UZEL, 1895

obscurus (Müller, 1776)

APTINOTHRIPS HALIDAY, 1836

rufus Haliday, 1836

Synonymy: Aptinothrips nitidulus Haliday, 1836.

stylifer Trybom, 1894

AURANTOTHRIPS BHATTI, 1978

orchidaceus (Bagnall, 1909)

BALIOTHRIPS UZEL, 1895

dispar (Haliday, 1836)

BELOTHRIPS HALIDAY, 1836

acuminatus Haliday, 1836

CERATOTHRIPS O. M. REUTER, 1896

ericae (Haliday, 1836)

CHIROTHRIPS HALIDAY, 1836

manicatus Haliday, 1836

ECHINOTHRIPS MOULTON, 1911

americanus Morgan, 1913

FRANKLINIELLA KARNY, 1910

occidentalis (Pergande, 1895)

HELIOTHRIPS HALIDAY, 1836

haemorrhoidalis (Bouché, 1833)

KAKOTHRIPS WILLIAMS, 1914

pisivorus (Westwood, 1880)

Synonymy: *Kakothrips robustus* (Uzel, 1895).

LIMOTHRIPS HALIDAY, 1836

cerealium Haliday, 1836

denticornis Haliday, 1836

ODONTOTHRIPS AMYOT AND

SERVILLE, 1843

loti (Haliday, 1852)

phaleratus (Haliday, 1836)

ulicis (Haliday, 1836)

OXYTHRIPS UZEL, 1895

ajugae Uzel, 1895

halidayi Bagnall, 1924

ulmifoliorum (Haliday, 1836)

SERICOTHRIPS HALIDAY, 1836

staphylinus Haliday, 1836

TAENIOTHRIPS AMYOT AND

SERVILLE, 1843

picipes (Zetterstedt, 1828)

THRIPS LINNAEUS, 1758

atratus Haliday, 1836

brevicornis Priesner, 1920

corymbiferarum Haliday, 1836

discolor Haliday, 1836

flavus Schrank, 1776

fuscipennis Haliday, 1836

major Uzel, 1895

physapus Linnaeus, 1758

tabaci Lindeman, 1889

validus Uzel, 1895

vulgatissimus Haliday, 1836

TUBULIFERA

2. PHLAEOTHRIPIDAE

IDOLOTHRIPINAE

BOLOTHRIPS PRIESNER, 1926

dentipes (O. M. Reuter, 1880)

PHLAEOTHRIPINAE

HAPLOTHRIPS AMYOT AND

SERVILLE, 1843

hukkineni Priesner, 1939

juncorum Bagnall, 1913

morisoni Priesner, 1928

Synonymy: *Haplothrips statices morisoni*.

[*senecionis* Bagnall, 1932]

Footnote: the species has not been definitely reported from Ireland.

[*setiger* Priesner, 1921]

Footnote: the species has not been definitely reported from Ireland.

statices (Haliday, 1836)

subspecies *statices* (Haliday, 1836)

HOPLOTHRIPS AMYOT AND

SERVILLE, 1843

pedicularius (Haliday, 1836)

PHLAEOTHRIPS HALIDAY, 1836

annulipes O. M. Reuter, 1880

TRICHOPTERA

The Irish caddisflies (Trichoptera) were listed by O’Connor (1987) who also provided information on distributions. This list was updated by Ashe, O’Connor and Murray (1998). Nomenclature follows Malicky (2005), Malicky and Barnard (2009), and Barnard and Ross (2012). Additions since King and Halbert (1910) are noted. The adults are popularly known as sedges or rails. The immature stages of the Irish species are aquatic, occurring in a wide variety of habitats such as streams, rivers, lakes, ponds, spring seeps and temporary waters. Larvae can be carnivores, herbivores or omnivores. The larvae are either free-living or construct cases in which they live. Some of the former species spin nets. After pupation, the adults emerge and often can be seen flying over water in large numbers. [The Irish checklist is revised in O’Connor (2015) A catalogue and atlas of the caddisflies (Trichoptera) of Ireland. This work also contains detailed information on distributions, ecology and flight-periods.]

ANNULIPALPIA

HYDROPSYCHOIDEA

1. ECNOMIDAE

ECNOMUS MCLACHLAN, 1864

tenellus (Rambur, 1842)

2. HYDROPSYCHIDAE

DIPLECTRONINAE

DIPLECTRONA WESTWOOD, 1840

felix McLachlan, 1878

HYDROPSYCHINAE

CHEUMATOPSYCHE

WALLENGREN, 1891

lepida (Pictet, 1834)

Synonymy: *in Hydropsyche* in King and Halbert (1910).

HYDROPSYCHE PICTET, 1834

angustipennis (Curtis, 1834)

+*contubernalis* McLachlan, 1865

Synonymy: *Hydropsyche ornatula* auctt. nec McLachlan.

Footnote: recorded from Co. Dublin by Beirne and Harris (1946) as

Hydropsyche ornatula.

+*fulvipes* Curtis, 1834

Footnote: recorded from Co. Cork by O’Connor (2010).

[*guttata* Pictet, 1834]

Footnote: misidentification *in* King and Halbert (1910).

+*instabilis* (Curtis, 1834)

Footnote: the records *in* King and Halbert (1910) are misidentifications and should refer to *Hydropsyche siltalai* Döhler, 1963. The true *H. instabilis* was subsequently discovered in Cos Dublin and Wicklow (O’Connor and Bracken, 1978).

pellucidula (Curtis, 1834)

+*saxonica* McLachlan, 1884

Footnote: recorded from Co. Cork by O’Connor (2010).

+*siltalai* Döhler, 1963

Footnote: the records of *Hydropsyche instabilis* *in* King and Halbert (1910) are misidentifications and refer to *H. siltalai* Döhler, 1963 (O’Connor and Bracken, 1978).

3. POLYCENTROPODIDAE

CYRNUSTEPHENS, 1836

flavidus McLachlan, 1864

+*insolutus* McLachlan, 1878

Footnote: recorded from Co. Clare by O'Connor (1977).

trimaculatus (Curtis, 1834)

HOLOCENTROPUS MCLACHLAN, 1878

dubius (Rambur, 1842)

picicornis (Stephens, 1836)

[*stagnalis* (Albarda, 1874)]

Footnote: misidentification *in* King and Halbert (1910).

NEURECLIPSIS MCLACHLAN, 1864

bimaculata (Linnaeus, 1758)

PLECTROCNEMIA STEPHENS, 1836

conspersa (Curtis, 1834)

geniculata McLachlan, 1871

POLYCENTROPUS CURTIS, 1835

flavomaculatus (Pictet, 1834)

irroratus (Curtis, 1835)

Synonymy: *Polycentropus multiguttatus* auctt. nec Curtis, 1835 *in* King and Halbert (1910).

kingi McLachlan, 1881

4. PSYCHOMYIIDAE

LYPE MCLACHLAN, 1878

phaeopa (Stephens, 1836)

+*reducta* (Hagen, 1868)

Footnote: larvae recorded from Co. Kerry by Edington and Alderson (1973).

Subsequently, an adult was trapped at the

larval site (O'Connor, 1978a).

PSYCHOMYIA LATREILLE, 1829

fragilis (Pictet, 1834)

Synonymy: *in Lype in* King and Halbert (1910); *in Metalype in* O'Connor (1987) and *in* Ashe, O'Connor and Murray (1998).

pusilla (Fabricius, 1781)

TINODES LEACH, 1815

[*assimilis* McLachlan, 1865]

Footnote: the larvae were reported from wet rock in Co. Waterford by Hickin (1952). Dried out larvae preserved in the Natural History Museum, London, have been examined by the senior author.

Although these appear to be *T. assimilis*, the record is considered doubtful until adult material has been obtained. To-date, all adults collected in similar habitats have proved to be *T. maclachlani*.

+*dives* (Pictet, 1834)

Footnote: recorded from Co. Sligo by O'Connor and Good (1984).

maclachlani Kimmins, 1966

Synonymy: *Tinodes aureola* auctt., nec Zetterstedt. *Tinodes aureola* (Zetterstedt) *in* King and Halbert (1910).

maculicornis (Pictet, 1834)

unicolor (Pictet, 1834)

waeneri (Linnaeus, 1758)

PHILOPOTAMOIDEA

5. PHILOPOTAMIDAE

CHIMARRINAE

CHIMARRA STEPHENS, 1829

marginata (Linnaeus, 1761)

Synonymy: *Chimarrha* (misspelling) in King and Halbert (1910).

PHILOPOTAMINAE

PHILOPOTAMUS STEPHENS, 1829

montanus (Donovan, 1813)

subspecies *montanus* (Donovan, 1813)

subspecies *scoticus* McLachlan, 1862

Footnote: the status of *Philopotamus scoticus* is uncertain as some authorities consider the taxon to be a variety while others as a subspecies. The genitalia are the same as the typical form. The Killarney, Co. Kerry, population was first discovered in the eighteen hundreds and is still extant. The adults have the wings with golden streaks rather than the usual variegation.

WORMALDIA MCLACHLAN, 1865

mediana McLachlan, 1878

occipitalis (Pictet, 1834)

subnigra McLachlan, 1865

INTEGRIPALPIA

LEPTOCEROIDEA

6. LEPTOCERIDAE

ADICELLA MCLACHLAN, 1877

reducta (McLachlan, 1865)

ATHRIPSOIDES BILLBERG, 1820

albifrons (Linnaeus, 1758)

Synonymy: in *Leptocerus* in King and Halbert (1910).

aterrimus (Stephens, 1836)

Synonymy: in *Leptocerus* in King and Halbert (1910).

bilineatus (Linnaeus, 1758)

Synonymy: in *Leptocerus* in King and Halbert (1910).

cinereus (Curtis, 1834)

Synonymy: in *Leptocerus* in King and Halbert (1910).

commutatus (Rostock, 1874)

Synonymy: in *Leptocerus* in King and Halbert (1910).

CERACLEA STEPHENS, 1829

albimacula (Rambur, 1842)

Synonymy: *Leptocerus albuguttatus* Hagen, 1860 in King and Halbert (1910), also spelt as *albo-guttatus*.

annulicornis (Stephens, 1836)

Synonymy: in *Leptocerus* in King and Halbert (1910).

dissimilis (Stephens, 1836)

Synonymy: in *Leptocerus* in King and Halbert (1910).

fulva (Rambur, 1842)

Synonymy: *Leptocerus fulvus* (Rambur) in King and Halbert (1910).

nigronervosa (Retzius, 1783)

Synonymy: *Leptocerus nigro-nervosus* (Retzius) in King and Halbert (1910).

senilis (Burmeister, 1839)

Synonymy: in *Leptocerus* in King and

Halbert (1910).

EROTESIS MCLACHLAN, 1877

+*baltica* McLachlan, 1877

Footnote: recorded from Co. Westmeath by Hannigan, Kelly-Quinn and O'Connor (2009).

LEPTOCERUS LEACH, 1815

+*tineiformis* Curtis, 1834

Footnote: recorded from Co. Kildare by O'Connor, Good and Bond (1990).

MYSTACIDES LATREILLE, 1825

azurea (Linnaeus, 1761)

longicornis (Linnaeus, 1758)

[*nigra* (Linnaeus, 1758)]

Footnote: *Mystacides nigra* (Linnaeus) in King and Halbert (1910), misidentification.

OECETIS MCLACHLAN, 1877

furva (Rambur, 1842)

lacustris (Pictet, 1834)

notata (Rambur, 1842)

ochracea (Curtis, 1825)

testacea (Curtis, 1834)

SETODES RAMBUR, 1842

argentipunctellus McLachlan, 1877

TRIAENODES MCLACHLAN, 1865

bicolor (Curtis, 1834)

YLODES MILNE, 1934

[*conspersus* (Rambur, 1842)]

Synonymy: misidentification of *Ylodes reuteri*. See O'Connor (1979).

+*reuteri* (McLachlan, 1880)

Footnote: recorded from Co. Wexford by O'Connor (1979).

7. MOLANNIDAE

MOLANNA CURTIS, 1834

albicans (Zetterstedt, 1840)

Synonymy: *Molanna palpata* McLachlan, 1877, in King and Halbert (1910).

8. ODONTOCERIDAE

ODONTOCERUM LEACH, 1815

albicorne (Scopoli, 1763)

LIMNEPHILOIDEA

9. APATANIIDAE

Synonymy: in the Limnephilidae in O'Connor (1987).

APATANIINAE

APATANIA KOLENATI, 1848

+*auricula* (Forsslund, 1930)

Footnote: Forsslund (1930) noted that Irish adults named as *Apatania fimbriata* (Pictet, 1834) were conspecific with his new species *Apatania auricula*.

[*fimbriata* (Pictet, 1834)]

Footnote *Apatania fimbriata* in King and Halbert (1910). A misidentification of *A. auricula*.

+*muliebris* McLachlan, 1866

Footnote: larval record from Co. Galway by Fahy (1972) and subsequently confirmed with an adult from Co. Kerry (O'Connor, 1978a). *Apatania muliebris* is a parthenogenetic caddisfly usually found in spring-fed streams. Like many asexually reproducing species, it exists in a variety of

morphological forms with each isolated population often showing consistent differences from its neighbouring colonies. This has led various authors to regard these slightly different forms as subspecies or even as full species. As a result of a study of specimens in the British Isles, it was decided that *A. muliebris* should be regarded as a single variable species in these islands (Barnard and O’Connor, 1987).

wallengreni McLachlan, 1871

10. GOERIDAE

GOERA STEPHENS, 1829

pilosa (Fabricius, 1775)

SILO CURTIS, 1833

nigricornis (Pictet, 1834)

pallipes (Fabricius, 1781)

11. LEPIDOSTOMATIDAE

CRUNOECIA MCLACHLAN, 1876

irrorata (Curtis, 1834)

LEPIDOSTOMA RAMBUR, 1842

Synonymy: *Lasiocephala* Costa, 1857.

+*basale* (Kolenati, 1848)

Footnote: recorded from Co. Kerry by O’Connor (1978a) as *Lasiocephala basalis*.

hirtum (Fabricius, 1775)

12. LIMNEPHILIDAE

DRUSINAE

ECCLISOPTERYX KOLENATI, 1848

+*dalecarlica* Kolenati, 1848

Footnote: recorded by O’Connor (2010).

[*guttulata* (Pictet, 1834)]

Footnote: misidentification of

Ecclisopteryx dalecarlica Kolenati, 1848 in O’Connor (1978a, 1987).

DRUSUS STEPHENS, 1837

annulatus (Stephens, 1837)

LIMNEPHILINAE

CHAETOPTERYGINI

CHAETOPTERYX STEPHENS, 1829

villosa (Fabricius, 1798)

LIMNEPHILINI

ANABOLIA STEPHENS, 1837

+*brevipennis* (Curtis, 1834)

Synonymy: in *Phacopteryx* in O’Connor (1987) and in Ashe, O’Connor and Murray (1998).

Footnote: recorded from Co. Cavan by Wallace *et al.* (1983) as *Phacopteryx brevipennis*.

nervosa (Curtis, 1834)

GLYPHOTAEILIUS STEPHENS, 1837

pellucidus (Retzius, 1783)

GRAMMOTAULIUS KOLENATI, 1848

nigropunctatus (Retzius, 1783)

Synonymy: *Grammotaulius atomarius* (Fabricius, 1793) in King and Halbert (1910).

LIMNEPHILUS LEACH, 1815

affinis Curtis, 1834

auricula Curtis, 1834

binotatus Curtis, 1834

Synonymy: *Limnephilus xanthodes*
McLachlan, 1875 in King and Halbert
(1910).

centralis Curtis, 1834

+*coenosus* Curtis, 1834

Footnote: recorded from Co. Galway by
Mosely (1930).

decipiens (Kolenati, 1848)

+*elegans* Curtis, 1834

Footnote: recorded from Co. Wicklow by
O'Connor (1978a).

[*extricatus* McLachlan, 1865]

Footnote: no authentic voucher material
has been located and the records in King
and Halbert (1910) require verification.

flavicornis (Fabricius, 1787)

fuscinervis (Zetterstedt, 1840)

griseus (Linnaeus, 1758)

hirsutus (Pictet, 1834)

ignavus McLachlan, 1865

incisus Curtis, 1834

Synonymy: in *Colpotaulius* in King and
Halbert (1910).

lunatus Curtis, 1834

luridus Curtis, 1834

marmoratus Curtis, 1834

nigriceps (Zetterstedt, 1840)

+*pati* O'Connor. 1980

Footnote: recorded from Co. Donegal by
O'Connor (1980).

[*politus* McLachlan, 1865]

Footnote: no authentic voucher material
has been located and the record in King
and Halbert (1910) require verification.

The record in Bracken and Murray (1973)
is a misidentification.

rhombicus (Linnaeus, 1758)

sparsus Curtis, 1834

stigma Curtis, 1834

+*tauricus* Schmid, 1964

Footnote: recorded from Co. Tipperary by
O'Connor and Bond (1995).

vittatus (Fabricius, 1798)

STENOPHYLACINI

***HALESUS* STEPHENS, 1836**

+*digitatus* (Schrank, 1781)

Footnote: recorded from Co. Dublin by
Beirne (1939).

radiatus (Curtis, 1834)

***HYDATOPHYLAX* WALLENGREN,
1891**

+*infumatus* (McLachlan, 1865)

Footnote: recorded from Co. Cavan by
O'Connor (1978a).

***MESOPHYLAX* MCLACHLAN, 1882**

+*impunctatus* McLachlan, 1884

subspecies *zetlandicus*

McLachlan, 1884

Footnote: recorded from Co. Kerry by
Hiley (1976) based on larval material.
Adults had previously been taken at this
site (O'Connor and Wise, 1984).

Mesophylax impunctatus zetlandicus
McLachlan, 1884 occurs in the British
Isles and the Faroe Islands while *M. i.*
impunctatus McLachlan, 1884 is found in
central Europe (Malicky, 2005; Malicky
and Barnard, 2009).

MICROPTERNA STEIN, 1874

lateralis (Stephens, 1837)

sequax McLachlan, 1875

POTAMOPHYLAX WALLENGREN, 1891

cingulatus (Stephens, 1837)

Synonymy: *Stenophylax latipennis* (Curtis, 1834) in King and Halbert (1910).

latipennis (Curtis, 1834)

Synonymy: *Stenophylax stellatus* (Curtis, 1834) in King and Halbert (1910).

STENOPHYLAX KOLENATI, 1848

permistus McLachlan, 1895

PHRYGANEOIDEA

13. PHRYGANEIDAE

AGRYPNIA CURTIS, 1835

obsoleta (Hagen, 1864)

Synonymy: in *Phryganea* in King and Halbert (1910).

pagetana Curtis, 1835

varia (Fabricius, 1793)

Synonymy: in *Phryganea* in King and Halbert (1910).

OLIGOTRICHA RAMBUR, 1842

striata (Linnaeus, 1758)

Synonymy: *Neuronia ruficrus* (Scopoli, 1763) in King and Halbert (1910).

Footnote: the identity of both Irish specimens has been confirmed.

PHRYGANEA LINNAEUS, 1758

bipunctata Retzius, 1783

Synonymy: *Phryganea striata* Linnaeus, 1758 in King and Halbert (1910).

grandis Linnaeus, 1758

SERICOSTOMATOIDEA

14. BERAEEIDAE

BERAEA STEPHENS, 1833

maurus (Curtis, 1834)

pullata (Curtis, 1834)

BERAEODES EATON, 1867

+*minutus* (Linnaeus, 1761)

Footnote: recorded from Co. Kerry by O'Connor (1978a). To-date, this species is only known from Ireland based on its distinctive larvae.

15. SERICOSTOMATIDAE

[NOTIDOBIA STEPHENS, 1829]

[*ciliaris* (Linnaeus, 1761)]

Footnote: published Irish records of the larvae are misidentifications due to the recorders using Hickin (1967) for determination.

SERICOSTOMA LATREILLE, 1825

personatum (Spence, 1826)

SPICIPALPIA

GLOSSOSOMATOIDEA

16. GLOSSOSOMATIDAE

AGAPETINAE

AGAPETUS CURTIS, 1834

delicatulus McLachlan, 1884

fuscipes Curtis, 1834

ochripes Curtis, 1834

Synonymy: *Agapetus comatus* (Pictet, 1834) in King and Halbert (1910).

GLOSSOMATINAE

GLOSSOSOMA CURTIS, 1834

***boltoni* Curtis, 1834**

Synonymy: *Glossosoma vernale* (Pictet, 1834) *in* King and Halbert (1910).

+*conformis* Neboiss, 1963

Footnote: recorded from Co. Wicklow by O'Connor (1978a)

HYDROPTILOIDEA

17. HYDROPTILIDAE

HYDROPTILINI

AGRAYLEA CURTIS, 1834

***multipunctata* Curtis, 1834**

+*sexmaculata* Curtis, 1834

Footnote: recorded from Co. Wexford by O'Connor and O'Hanrahan (1988).

ALLOTRICHIA MCLACHLAN, 1880

+*pallicornis* (Eaton, 1873)

Footnote: recorded from Cos Dublin and Wicklow by O'Connor (1978a).

HYDROPTILA DALMAN, 1819

+*angulata* Mosely, 1922

Footnote: recorded from Co. Galway by Mosely (1927).

+*cornuta* Mosely, 1922

Footnote: recorded from Co. Wicklow by O'Connor and Bracken (1980).

***forcipata* (Eaton, 1873)**

+*martini* Marshall, 1977

Footnote: recorded from "Eire" by Marshall (1977). The species had been collected in Co. Cavan (O'Connor, 1978a;

O'Connor and O'Connor, 1980).

+*occulta* (Eaton, 1873)

Footnote: recorded from Cos Cavan and Tipperary by O'Connor and O'Connor (1980).

+*pulchricornis* Pictet, 1834

Footnote: recorded from Cos Cavan, Clare and Kerry by O'Connor (1978a).

+*simulans* Mosely, 1920

Footnote: recorded from Co. Galway by Mosely (1930).

***sparsa* Curtis, 1834**

+*tigurina* Ris, 1894

Footnote: recorded from Co. Kerry by O'Connor (1978b).

***tineoides* Dalman, 1819**

Synonymy: *Hydroptila femoralis* Eaton, 1873 *in* King and Halbert (1910).

OXYETHIRA EATON, 1873

+*falcata* Morton, 1893

Footnote: recorded from Co. Galway by Mosely (1930).

***flavicornis* (Pictet, 1834)**

Synonymy: *Oxyethira costalis* Eaton nec Curtis, 1834. *Oxyethira costalis* (Curtis, 1834) *in* King and Halbert (1910).

+*frici* Klapálek, 1891

Footnote: recorded from Co. Galway by Mosely (1930).

+*sagittifera* Ris, 1897

Footnote: recorded from Co. Galway by Mosely (1927).

+*simplex* Ris, 1897

Footnote: recorded from Co. Galway by

Mosely (1930).

+*tristella* Klapálek, 1895

Footnote: recorded from Co. Galway by Mosely (1930).

TRICHOLEIOCHITON KLOET AND HINCKS, 1944

+*fagesii* (Guinard, 1879)

Footnote: the first authentic Irish record was from Co. Offaly by O’Connor and O’Hanrahan (1988).

ORTHTRICHIINI

ITHYTRICHIA EATON, 1873

+*clavata* Morton, 1905

Footnote: recorded from Co. Kerry by O’Connor (1982).

lamellaris Eaton, 1873

ORTHOTRICHIA EATON, 1873

+*angustella* (McLachlan, 1865)

Footnote: recorded from Cos Clare and Kerry by O’Connor (1978a).

+*costalis* (Curtis, 1834)

Footnote: recorded from Co. Clare by O’Connor (1978a).

RHYACOPHILOIDEA

18. RHYACOPHILIDAE

RHYACOPHILA PICTET, 1834

dorsalis (Curtis, 1834)

+*munda* McLachlan, 1862

Footnote: recorded from Co. Wicklow by Frost (1942).

ZYGENTOMA

The Zygentoma include the silverfish and firebrat. The former is a common indoor insect in Ireland while the latter, also found indoors, is rare. Both species feed on cereals, paste, paper, starch in clothes, and dried meats.

1. LEPISMATIDAE

CTENOLEPISMATINAE

THERMOBIA BERGROTH, 1890

domestica (Packard, 1837)

Synonymy: *Thermobia furnorum* (Rovelli, 1884) in Stelfox (1932).

Footnote: recorded from Co. Dublin by

Stelfox (1932).

LEPISMATINAE

LEPISMA LINNAEUS, 1758

saccharina Linnaeus, 1758

Footnote: recorded as common by Templeton (1834).

REFERENCES

- Anon. (1966) Biological survey work. *Annual Report of the Salmon Research Trust, Ireland*. p. 63.
- Alexander, K. N. A. and Foster, A. P. (2000) *Dufouriellus ater*, *Plesiodema pinetellum* and *Psallus flavellus* new to Ireland, with unconfirmed records of *Psallus wagneri* and *Dryophilocoris flavomaculatus* (Hemiptera). *Irish Naturalists' Journal* **26** (1999): 270-271.
- Alexander, K. N. A. and Saville, R. E. (2009) Seven arboreal barkflies newly-recognized in Ireland and records of other species from six historic demesnes across Northern Ireland (Insecta: Psocoptera). *Irish Naturalists' Journal* **29**(2008): 102-106.
- Anderson, R. (2006) *Rhacognathus punctatus* (L.) (Hem., Pentatomidae) confirmed as an Irish species with three new sites in northern counties. *Entomologist's Monthly Magazine* **142**: 62.
- Anderson, R., Nash, R. and O'Connor, J. P. (1997) *Irish Coleoptera. A revised and annotated list*. Irish Naturalists' Journal Special Entomological Supplement 1997. 81 pp.
- Ashe, P., O'Connor, J. P. and Murray, D. A. (1998) *A checklist of Irish aquatic insects*. Occasional Publication of the Irish Biogeographical Society **Number 3**.
- Aukema, B. and Aukema, R. (2001) *Psallus confusus* Rieger and *Salda morio* (Zetterstedt) (Hemiptera: Heteroptera) collected in Connemara. *Irish Naturalists' Journal* **26**: 371-373.
- Aukema, B., Hermes, D. J., Nelson, B. and O'Connor, J. P. (2007) Eleven land and water bugs new to the Irish list (Insecta: Heteroptera). *Irish Naturalists' Journal* **28** (2006): 327-333.
- Aukema, B. and Rieger, C. (eds) (1995) *Catalogue of the Heteroptera of the Palaearctic Region. 1. Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha and Leptopodomorpha*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (1996) *Catalogue of the Heteroptera of the Palaearctic Region. 2. Cimicomorpha I*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (1999) *Catalogue of the Heteroptera of the Palaearctic Region. 3. Cimicomorpha II*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (2001) *Catalogue of the Heteroptera of the Palaearctic Region. 4. Pentatomomorpha I*. The Netherlands Entomological Society, Amsterdam.
- Aukema, B. and Rieger, C. (eds) (2006) *Catalogue of the Heteroptera of the Palaearctic Region. 5. Pentatomomorpha II*. The Netherlands Entomological Society, Amsterdam.
- Barnard, P. C. and O'Connor, J. P. (1987) The populations of *Apatania muliebris* McLachlan in the British Isles (Trichoptera: Limnephilidae). *Entomologist's Gazette* **38**: 263-267.
- Barnard, P. C., O'Connor, J. P. and Speight, M. C. D. (1991) A review of published distribution data for Irish Neuroptera (Insecta), together with additional records and a check-list of the Irish species. *Bulletin of the Irish Biogeographical Society* **14**: 109-123.
- Barnard, P. and Ross, E. (2012) *The adult Trichoptera (caddisflies) of Britain and Ireland. Handbooks for the Identification of British Insects* **1**(17): i-iv, 1-192.
- Beirne, B. P. (1939) Irish Trichoptera records. *Journal of the Society of British Entomology* **2**: 8.
- Beirne, B. P. and Harris, J. R. (1946) Light-trap captures in Ireland in 1945 (Lep., Trich., Ephem., Plec.). *Entomologist's Record and Journal of Variation* **58**: 46-49.
- Binazzi, A. (2011) Fauna Europaea: Family Adelgidae, Family Phylloxeridae. Fauna Europaea version 2.4, <http://www.faunaeur.org> (accessed 13 September 2011).
- Blackith, R. E. and Good, J. A. (1991) Protura in Ireland. *Bulletin of the Irish Biogeographical Society* **14**: 84-89.
- Blackman, R. L. (2010) Aphids - Aphidinae (Macrosiphini). *Handbooks for the Identification of British Insects* **2**(7): i-vi, 1-414.
- Bolger, T. (1986) The Collembola of Ireland - a checklist and bibliography. *Proceedings of the Royal Irish Academy* **86**: 183-218.
- Bond, K. G. M. (1989) *Aeshna cyanea* (Müller) (Odonata: Aeshnidae) a dragonfly new to Ireland. *Irish Naturalists' Journal* **23**: 73-74.
- Bond, K., and Blackith, R. (1987). A Desert Locust of the Solitary Phase in Ireland. *Irish Naturalists' Journal* **22**: 356-358.
- Bond, K. G. M., Nash, R. and O'Connor, J. P. (2006) *An annotated checklist of the Irish butterflies*

- and moths (Lepidoptera). Irish Biogeographical Society/National Museum of Ireland, Dublin.
- Bracken, J. J. and Murray, D. A. (1973) Insect emergence data from four small lakes in the south and southwest of Ireland. *Irish Fisheries Investigations Series A Number 11*.
- Britten, H. (1939) *Triphleps laevigata* Fieber (Hem., Anthocoridae) new to Britain. *Entomologist's Monthly Magazine* **75**: 29-31.
- Butler, F. T. and O'Connor, J. P. (1994) A review of the Irish Ischnocera and Amblycera (Phthiraptera). *Irish Naturalists' Journal* **24**: 449-457.
- Carpenter, G. H. (1913a) The Irish species of *Petrobius*. *Irish Naturalist* **22**: 228-233, plates 2-3.
- Carpenter, G. H. (1913b) Clare Island Survey. Part 32. Apterygota. *Proceedings of the Royal Irish Academy* **31**(32): 1-12, plate 1.
- Carter, C. I., Wood-Baker, C. S. and Polaszek, A. (1987) Species, host plants and distribution of aphids occurring in Ireland. *Irish Naturalists' Journal* **22**: 266-283.
- Cawley, M. (2000) *Forficula lesnei* Finot 1887, an earwig (Dermaptera: Forficulidae) new to Ireland. *Irish Naturalists' Journal* **26**(1999): 272-273.
- Cawley, M. (2005) Notes and records on some Irish Orthoptera and Dermaptera. *Bulletin of the Irish Biogeographical Society* **29**: 300-307.
- Chandler, P. J., O'Connor, J. P. and Nash, R. (2008) *An annotated checklist of the Irish two-winged flies (Diptera)*. Irish Biogeographical Society/National Museum of Ireland, Dublin.
- China, W. E. (1955) *Sigara* (*Subsigara*) *pearcei* Walton, 1936. a synonym of the Canadian *S. (S.) fallenoidea* Hungerford 1926 (Heteroptera, Corixidae). *Entomologist's Monthly Magazine* **91**: 46-47.
- Costello, M. J. (1988) A review of the distribution of stoneflies (Insecta, Plecoptera) in Ireland. *Proceedings of the Royal Irish Academy* **88**: 1-22.
- Cotton, D. C. F. (1982) A synopsis of the Irish Orthoptera. *Entomologist's Gazette* **33**: 243-254.
- Cuppen, J. G. M. and Nelson, B. (2007) *Micronecta griseola* Horváth, a new water boatman for Ireland (Heteroptera: Corixidae). *Irish Naturalists' Journal* **28**: 410-413.
- de Courcy Williams, M. (1989) A preliminary list of the Irish Auchenorrhyncha (Homoptera). *Bulletin of the Irish Biogeographical Society* **12**: 135-148.
- de Jong, Y. S. D. M. (Ed.) (2011) Fauna Europaea version 2.4. Web Service available online at <<http://www.faunaeur.org>>
- Delany, M. J. (1954) Thysanura and Diplura. *Handbooks for the Identification of British Insects* **1**(2): 1-7.
- Douglas, J. W. and Scott, J. (1865) *The British Hemiptera. 1 Hemiptera-Heteroptera*. Ray Society, London.
- Doyle, Ú, O'Halloran, J. and Smiddy, P. (2004) Records of the feather lice (Mallophaga) *Philopterus cincli* (Denny) and *Myrsidea franciscocoli* (Conci), two species new to Ireland. *Irish Naturalists' Journal* **27**: 440.
- Edington, J. M. and Alderson, R. (1973) The taxonomy of British psychomyiid larvae (Trichoptera). *Freshwater Biology* **3**: 463-478.
- Fahy, E. (1970) The distribution of the Irish Psocoptera. *Proceedings of the Royal Irish Academy* **69B**: 139-163.
- Fahy, E. (1972) Some records of Trichoptera from Ireland. *Irish Naturalists' Journal* **17**: 199-203.
- Fahy, E. (1974) Distribution data on the Ephemeroptera and Plecoptera in Ireland. *Entomologist's Gazette* **25**: 141-146.
- Favret, C. (2011) Aphid Species File. <<http://aphid.speciesfile.org>> (accessed 13 September 2011).
- Feeley, H. B., Baars, J.-R. and Kelly-Quinn, M. (2016) *The Stonefly (Plecoptera) of Ireland – distribution, life histories & ecology*. National Biodiversity Data Centre, Waterford.
- Fjellberg, A. (2003) Revision of six northern species of the *Isotoma viridis* Bourlet, 1839 complex (Collembola, Isotomidae). *Norwegian Journal of Entomology* **50**: 91-98.
- Fjellberg, A. (2007) The Collembola of Fennoscandia and Denmark. Part II: Entomobryomorpha and Symphyleona. *Fauna Entomologica Scandinavica* **42**.
- Forsslund, K.-H. (1930) Zwei neue *Apatelia*-Arten (Trich., Limnophilidae). Vorläufige Mitteilung.

- Entomologisk Tidskrift* **51**: 216-218.
- Frost, W. E. (1942) R. Liffey Survey iv. The fauna of the submerged “mosses” in an acid and an alkaline water. *Proceedings of the Royal Irish Academy* **47B**: 293-369.
- Gisin, H. (1952) Notes sur les Collemboles, avec démembrement des *Onychiurus armatus*, *ambulans* et *finetarius* auctorum. *Mitteilungen der Schweizerische Entomologischen Gesellschaft* **25**: 1-22.
- Gisin, H. (1960) *Collembolenfauna Europas*. Museum d'Histoire Naturelle, Geneva.
- Good, J. A., Blackith, R. E. and Higgins, D. G. (1989) *Campodea lankestri* Silvestri, a soil apterygote new to Ireland. *Irish Naturalists' Journal* **23**: 154.
- Good, J. A. and Cullinane, D. (1990) The great green bush-cricket, *Tettigonia viridissima* L. (Orthoptera: Tettigoniidae) imported in a tent. *Irish Naturalists' Journal* **23**: 220.
- Goodhue, R. D. (1980) *Irish household pests*. Irish Environmental Library **Number 69**. Folens, Dublin.
- Goodhue, R. D., Greer Walker, M. and Blackith, R. E. (1964) The distribution of Irish orthopteroids. *Entomologist's Monthly Magazine* **100**: 165-167.
- Halbert, J. N. (1935) A list of the Irish Hemiptera (Heteroptera and Cicadina). *Proceedings of the Royal Irish Academy* **42**: 211-318.
- Hannigan, E., Kelly-Quinn, M. and O'Connor, J. P. (2009) Notable caddisflies (Trichoptera) from Scragh Bog, Co. Westmeath, including *Erotesis baltica* McLachlan new to Ireland. *Bulletin of the Irish Biogeographical Society* **33**: 76-80.
- Harris, J. R. (1952) *An angler's entomology*. Collins, London.
- Helden, A. (2004) *Ossiannilssonola callosa* (Then): a typhlocybine leafhopper new to Ireland. *Entomologist's Monthly Magazine* **140**: 284.
- Helden, A. J. (2005a) *Aphrodes aestuarina* (Edwards), a leafhopper (Hem.) new to Ireland, with some notes on its status and identification. *Entomologist's Monthly Magazine* **141**: 161-162.
- Helden, A. J. (2005b) A first Irish record of the typhlocybine leafhopper *Edwardsiana prunicola* (Edwards, 1914). *Entomologist's Monthly Magazine* **141**: 186.
- Helden, A. (2005c) The typhlocybine (Hem.-Hom.) leafhopper *Alebra wahlbergi* (Boheman, 1845), new to Ireland. *Entomologist's Monthly Magazine* **141**: 214.
- Helden, A. (2005d) Interesting Auchenorrhyncha records from sand dunes in north Co Dublin, including a new species for Ireland: *Anaceratagallia* (*Agallia*) *ribauti* (Ossiannilsson, 1938). *Irish Naturalists' Journal* **28**: 174.
- Helden, A. (2005e) *Kybos virgator* (Ribaut, 1933) (Cicadellidae, Typhlocybinae) new to Ireland and a second known Irish population of the leafhopper *Ossiannilssonola callosa* (Then, 1886). *Irish Naturalists' Journal* **28**: 174-175.
- Helden, A. (2006) *Wagneripteryx* (*Aguriahana*) *germari* (Zetterstedt), a species of typhlocybine leafhopper (Hem.) new to Ireland. *Entomologist's Monthly Magazine* **142**: 184.
- Helden, A. (2007a) *Kybos populi* (Edwards, 1908) (Hemiptera: Cicadellidae) an aspen feeding leafhopper new to Ireland. *Irish Naturalists' Journal* **28** (2006): 341-342.
- Helden, A. (2007b) Three species of *Edwardsiana* Zakhvatkin (Hemiptera: Cicadellidae: Typhlocybinae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 129.
- Helden, A. (2007c) *Xanthodelphax straminea* (Stål, 1858) (Hemiptera: Delphacidae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 130.
- Helden, A. (2007d) Discovery of the second European species of *Megophthalmus* Curtis (Hemiptera, Cicadellidae, Megophthalminae) in Ireland. *Irish Naturalists' Journal* **28**: 418.
- Helden, A. (2008) A species of leafhopper, *Kybos rufescens* (Melichar, 1896) (Hem., Cicadellidae: Typhlocybinae) new to Ireland, found in two different counties. *Entomologist's Monthly Magazine* **144**: 176.
- Helden, A. (2009) Two species of leafhoppers (Hemiptera: Cicadellidae) new to Ireland, with confirmation of their breeding status. *Irish Naturalists' Journal* **30**: 63.
- Helden, A. J. and Stewart, A. J. A. (2008) A review of the Idiocerinae (Hemiptera, Cicadellidae) of Ireland with six additions to the known Irish fauna. *Irish Naturalists' Journal* **29**: 36-39.

- Hickin, N. E. (1952) Larvae of the British Trichoptera No. 34. *Tinodes assimilis* McLachlan. *Proceedings of the Royal Entomological Society of London* **27**: 89-90.
- Hickin, N. E. (1967) *Caddis larvae. Larvae of the British Trichoptera*. Hutchinson, London.
- Hiley, P. D. (1976) The identification of British limnephilid larvae (Trichoptera). *Systematic Entomology* **1**: 147-167.
- Hopkin, S. P. (2007a) *A key to the Collembola (springtails) of Britain and Ireland*. Field Studies Council, Preston Montford (AIDGAP) **Number 111**: i-vi, 1-245.
- Hopkin, S. P. (2007b) Collembola of Britain and Ireland.
<<http://www.stevehopkin.co.uk/collembolamaps/>>
- Hopkins, G. W. (2000) Additions to the Irish aphid (Hemiptera) list. *Irish Naturalists' Journal* **26** (1999): 175-176.
- Jansson, A. (1986) The Corixidae (Heteroptera) of Europe and some adjacent regions. *Acta Entomologica Fennica* **47**: 1-94.
- Johnson, W. F. and Halbert, J. N. (1902) A list of the beetles of Ireland. *Proceedings of the Royal Irish Academy*, Series 3, **6**: 535-827.
- Judd, S. (1986) *Anthocoris nemoralis butleri* Le Quesne (Hemiptera: Anthocoridae) new to Ireland. *Irish Naturalists' Journal* **22**: 79.
- Kelly-Quinn, M. and Bracken, J. J. (2000) *The distribution of the Ephemeroptera in Ireland*. Occasional Publication of the Irish Biogeographical Society **Number 5**.
- King, J. J. F. X. and Halbert, J. N. (1910) A list of the Neuroptera of Ireland. *Proceedings of the Royal Irish Academy* **28B**: 29-112.
- Kirby, P. (1983) Heteroptera recorded from the Killarney area, 28 August - 7 September 1981. *Irish Naturalists' Journal* **21**: 45-47.
- Kirby, P. (1991) Hemiptera (Heteroptera and Auchenorrhyncha) recorded from south-west Ireland (Cos Cork, Kerry and Clare), September 1989. *Bulletin of the Irish Biogeographical Society* **14**: 90-104.
- Kluge, N. J. (2011) Ephemeroptera of the world.
<<http://www.insecta.bio.pu.ru/z/Eph-spp>>
- Kosztarab, M. and Kozár, F. (1988) *Scale insects of Central Europe*. Akadémiai Kiadó, Budapest.
- Lansbury, I. (1965) Notes on the Hemiptera, Coleoptera, Diptera and other invertebrates of the Burren, Co. Clare and Inishmore, Aran Islands. *Proceedings of the Royal Irish Academy* **64B**: 89-115.
- Lawrence, P. N. 1979 Observations on the taxonomy and ecology of *Onychiurus armatus* (Collembola, Onychiuridae) and their wider implications in agriculture and evolution. *Revue d'écologie et de biologie du sol* **16**: 259-77.
- Lee, M. (2004) The British & Irish stick-insects. *British and Irish Stick-insect Fact Sheet 2004*. 2pp.
- Makings, P. (1959) *Trigoniophthalmus alternatus* (Silvestri, 1904) (Thysanura, Machilidae) new to the British Isles. *Entomologist's Monthly Magazine* **95**: 153.
- Malicky, H. (2005) Ein kommentiertes Verzeichnis der Köcherfliegen (Trichoptera) Europas und des Mediterrangebietes. *Linzer Biologische Beiträge* **37**: 533-596.
- Malicky, H. and Barnard, P. (2009) Trichoptera. In Malicky, H. (Ed.) *Fauna Europaea* version 2.1, <<http://www.faunaeur.org>> (accessed 12 January 2009).
- Malumphy, C. P. (2009) Confirmation of the presence of small spruce bud scale, *Physokermes hemicryphus* (Dalman) (Hemiptera: Coccidae), in Britain. *British Journal of Entomology and Natural History* **22**: 15-22.
- Marshall, J. A. and Haes, E. C. M. (1990) *Grasshoppers and allied insects of Great Britain and Ireland*. Harley Books, Colchester.
- Marshall, J. E. (1977) *Hydroptila martini* sp. n. and *Hydroptila valesiaca* Schmid (Trichoptera: Hydroptilidae) new to the British Isles. *Entomologist's Gazette* **28**: 115-122.
- Massee, A. M. (1958) Hemiptera-Heteroptera collected in Northern Ireland. *Entomologist's Monthly Magazine* **94**: 247.
- Massee, A. M. (1964) *Lygus punctatus* (Zett.) (Hem., Miridae) recorded from Herefordshire.

- Entomologist's Monthly Magazine* **100**: 211.
- McCarthy, T. K. and Walton, G. A. (1980) *Sigara selecta* (Fieb.) (Hemiptera-Heteroptera: Corixidae) new to Ireland, with notes on water bugs recorded from the Dingle Peninsula. *Irish Naturalists' Journal* **20**: 64-66.
- McCormack, S., Nolan, M. and Regan, E. (2006) Coleoptera, Araneae, and aquatic Hemiptera recorded from three mountain areas in northwestern Ireland. *Bulletin of the Irish Biogeographical Society* **30**: 302-333.
- Morris, M. G. (1967) Weevils (Coleoptera: Curculionoidea) and other insects collected in north west Clare, with special reference to the Burren region. *Proceedings of the Royal Irish Academy* **65B**: 349-371.
- Mosely, M. E. (1927) Galway trout. *Salmon and Trout Magazine* **Number 48** (reprinted in the *Proceedings of the Royal Irish Academy* **39B**: 21).
- Mosely, M. E. (1930) Irish Trichoptera, Neuroptera, etc. *Entomologist* **63**: 30-34.
- Nash, R., Boston, M. R., Black, T. B. and O'Connor, J. P. (1985) Insects imported into Ireland 7. The brown-banded cockroach *Supella supellectilium* (Serville). *Irish Naturalists' Journal* **21**: 495-496.
- Nash, R., Boston, M. and O'Connor, J. (1983) A proposal for a checklist of Irish insects. *Irish Naturalists' Journal* **21**: 188.
- Nash, R. and O'Connor, J. P. (1990) Insects imported into Ireland 9. Records of Orthoptera, Dictyoptera, Homoptera and Hymenoptera including Roger's ant, *Hypoconera punctatissima* (Roger). *Irish Naturalists' Journal* **23**: 255-257.
- Nelson, B. (1986) Records of Hemiptera-Heteroptera from Co Down including *Alydus calcaratus* (L.) new to Ireland. *Irish Naturalists' Journal* **22**: 81-82.
- Nelson, B. (1988) *Conostethus brevis* Reuter (Hemiptera: Miridae) new to Ireland. *Irish Naturalists' Journal* **22**: 454-455.
- Nelson, B. (1997) *Scolopstethus grandis* Horváth new to Ireland and a second Irish record of *S. puberulus* Horváth (Hemiptera-Heteroptera: Lygaeidae). *Irish Naturalists' Journal* **25**: 343-344.
- Nelson, B. (2011) A review of notable records of Irish odonates post DragonflyIreland (2004-2010), including confirmation of the Golden-ringed Dragonfly *Cordulegaster boltonii* (Donovan) on the Irish list. *Journal of the British Dragonfly Society* **28**: 105-131.
- Nelson, B., Ronayne, C. and Thompson, R. (2003) Colonization and changing status of four Odonata species, *Anax imperator*, *Anax parthenope*, *Aeshna mixta* and *Sympetrum fonscolombii*, in Ireland 2000-2002. *Irish Naturalists' Journal* **27**: 266-272.
- Nelson, B. and Thompson, R. (2004) *The natural history of Ireland's dragonflies*. Ulster Museum, Belfast.
- New, T. R. (2005) Psocoptera (booklice, barklice). Second edition. *Handbooks for the Identification of British Insects* **1**(7).
- Nieto Nafria, J. M. (2011) Fauna Europaea: Aphididae. Fauna Europaea version 2.4, <<http://www.faunaeur.org>> (accessed 13 September 2011).
- O'Connor, J. P. (1977) Lough Derrygeeha, Co. Clare, a new locality for *Cyrnus insolutus* McLachlan (Trichoptera: Polycentropodidae). *Entomologist's Record and Journal of Variation* **89**: 309-310.
- O'Connor, J. P. (1978a) A progress report on studies of Irish Trichoptera. Pp 303-308. In Crichton, M. I. (Ed.) *Proceedings of the 2nd International Symposium on Trichoptera*. Dr. W. Junk, The Hague.
- O'Connor, J. P. (1978b) *Hydroptila tigurina* Ris new to Ireland with notes on *Apatania wallengreni* McLachlan and *Limnephilus binotatus* Curtis (Insecta: Trichoptera). *Irish Naturalists' Journal* **19**: 191-192.
- O'Connor, J. P. (1979) *Triaenodes reuteri* McLachlan new to Ireland with a second Irish record of *Apatania wallengreni* McLachlan (Insecta: Trichoptera). *Irish Naturalists' Journal* **19**: 403-404.

- O'Connor, J. P. (1980) *Limnephilus pati* sp. n. (Trichoptera: Limnephilidae), a caddisfly new to Great Britain and Ireland. *Irish Naturalists' Journal* **20**: 129-133.
- O'Connor, J. P. (1982) *Ithytrichia clavata* (Trichoptera: Hydroptilidae), a caddisfly new to Ireland. *Irish Naturalists' Journal* **20**: 548-549.
- O'Connor, J. P. (1986) Notes on *Scolopostethus puberulus* Horvath and *Limnporus rufoscutellatus* (Latreille) (Hemiptera) in Ireland. *Entomologist's Record and Journal of Variation* **98**: 33-35.
- O'Connor, J. P. (1987) A review of the Irish Trichoptera. pp 73-77. In Bournaud, M. and Tachet, H. (eds) *Proceedings of the 5th International Symposium on Trichoptera*. Dr W. Junk Publishers, Dordrecht.
- O'Connor, J. P. (1989) Notes on Irish *Temnostethus* (Hem.-Het., Anthocoridae) in the National Museum of Ireland. *Entomologist's Monthly Magazine* **125**: 206.
- O'Connor, J. P. (1990) A recent Irish record of *Elenchus tenuicornis* (Kirby) (Strepsipt., Elenchidae). *Entomologist's Monthly Magazine* **126**: 66.
- O'Connor, J. P. (2003) Wax flies (Neuroptera: Coniopterygidae) reared from cola nut and marble galls, including *Coniopteryx borealis* Tjeder new to Ireland. *Entomologist's Gazette* **54**: 207-209.
- O'Connor, J. P. (2005a) *Ricinus fringillae* DeGeer (Mallophaga: Amblycera) new to Ireland. *Irish Naturalists' Journal* **28**: 172.
- O'Connor, J. P. (2005b) *Philopterus fringillae* (Scopoli) (Phthirapt., Philopteridae) new to Ireland. *Entomologist's Monthly Magazine* **141**: 232.
- O'Connor, J. P. (2008a) A review of the Irish thrips (Thysanoptera). *Irish Naturalists' Journal* **29**: 20-24.
- O'Connor, J. P. (2008b) *Philopterus modularis* (Denny, 1842) (Phthiraptera: Philopteridae) new to Ireland. *Irish Naturalists' Journal* **29**: 131-132.
- O'Connor, J. P. (2009) The mole-cricket *Gryllotalpa gryllotalpa* (Linnaeus, 1758) (Orthoptera: Gryllotalpidae) in Ireland. *Entomologist's Gazette* **60**: 175-177.
- O'Connor, J. P. (2010) Additions and corrections to the Irish list of Trichoptera. *Irish Naturalists' Journal* **30** (2009): 127-129.
- O'Connor, J. P. (2015) *A catalogue and atlas of the caddisflies (Trichoptera) of Ireland*. Occasional Publication of the Irish Biogeographical Society **Number 11**. viii + 646pp. Published by the Irish Biogeographical Society in association with the National Museum of Ireland.
- O'Connor, J. P. and Ashe, P. (1996) *Elasmotethus tristriatus* (F.) (Hem., Acanthosomatidae), confirmed as an Irish species. *Entomologist's Monthly Magazine* **132**: 314.
- O'Connor, J. P. and Bond, K. G. M. (1995) *Limnephilus pati* O'Connor rediscovered and *L. tauricus* Schmid (Trichoptera: Limnephilidae) new to Ireland. *Entomologist's Gazette* **46**: 207-208.
- O'Connor, J. P. and Bracken, J. J. (1978) Notes on *Hydropsyche instabilis* (Curtis) and *H. siltalai* Dohler (Insecta: Trichoptera) in Ireland. *Irish Naturalists' Journal* **19**: 282-283.
- O'Connor, J. P. and Bracken, J. J. (1980) A comparative limnological study of two Irish lakes (Lough Sillan, Co. Cavan and Lough Dan, Co. Wicklow). *Irish Fisheries Investigations Series A*. **Number 17**. 24pp. (1978).
- O'Connor, J. P. and Costello, M. J. (1997) *Leuctra nigra* (Olivier) (Plecoptera: Leuctridae), a stonefly new to Ireland. *Entomologist's Gazette* **48**: 51-52.
- O'Connor, J. P., Gertsson, C.-A. and Malumphy, C. (2013) A review of the Irish scale insects (Hemiptera: Coccoidea). *Irish Naturalists' Journal* **32**: 32-44.
- O'Connor, J. P. and Good, J. A. (1984) *Tinodes dives* (Pictet): a caddisfly new to Ireland from Ben Bulbin, Co. Sligo. *Entomologist's Record and Journal of Variation* **96**: 108-109.
- O'Connor, J. P., Good, J. A. and Bond, K. G. M. (1990) *Leptocerus tineiformis* Curtis: a caddisfly new to Ireland from Pollardstown Fen, Co. Kildare. *Entomologist's Record and Journal of Variation* **102**: 115-116.
- O'Connor, J. P. and Malumphy, C. (2011) A review of the Irish jumping plant-lice (Hemiptera: Psyllodea). *Bulletin of the Irish Biogeographical Society* **35**: 21-63.
- O'Connor, J. P. and Nash, R. (1979) Record of six insect species (Coleoptera: Orthoptera) recently

- imported into Ireland. *Irish Naturalists' Journal* **19**: 433-434.
- O'Connor, J. P. and Nash, R. (1983) Insects imported into Ireland 5. Records of Orthoptera, Hemiptera, Hymenoptera and Coleoptera. *Irish Naturalists' Journal* **21**: 114-117.
- O'Connor, J. P. and Nash, R. (1984) Insects imported into Ireland 6. Records of Orthoptera, Dermaptera, Lepidoptera and Coleoptera. *Irish Naturalists' Journal* **21**: 351-353.
- O'Connor, J. P. and Nash, R. (1986) Insects imported into Ireland 8. Records of Hemiptera, Coleoptera, Diptera and Lepidoptera. *Irish Naturalists' Journal* **22**: 104-107.
- O'Connor, J. P., Nash, R. and Broad, G. (2009) *An annotated checklist of the Irish Hymenoptera*. Irish Biogeographical Society/National Museum of Ireland, Dublin.
- O'Connor, J. P. and Norton, M. A. (1977) Athlone field meeting: preliminary notes on the aquatic invertebrates of Hare Island and environs. *Bulletin of the Irish Biogeographical Society* **1**: 20-25.
- O'Connor, J. P. and O'Connor, M. A. (1980) *Hydroptila occulta* (Eaton) (Trichoptera: Hydroptilidae), a caddisfly new to Ireland with notes on *Hydroptila martini* Marshall. *Entomologist's Record and Journal of Variation* **92**: 167-168.
- O'Connor, J. P. and O'Connor, M. A. (1985) *Pholidoptera griseoaptera* (DeGeer) (Orthoptera: Tettigoniidae) new to Ireland. *Entomologist's Gazette* **36**: 229-232.
- O'Connor, J. P. and O'Connor, M. A. (1993) Notes on the Irish Reduviidae (Hemiptera). *Entomologist's Record and Journal of Variation* **105**: 49-52.
- O'Connor, J. P., O'Connor, M. and de Courcy Williams, M. (1988) Notes on *Berytinus montivagus* (Meyer) and *Metatropis rufescens* (Herrich-Schäffer) (Hemiptera) in Ireland. *Entomologist's Record and Journal of Variation* **100**: 81-84.
- O'Connor, J. P. and O'Hanrahan, B. M. (1988) *Agraylea sexmaculata* new to Ireland with notes on *Tricholeiochiton fagesii* and *Phacopteryx brevipennis* (Trichoptera). *Irish Naturalists' Journal* **22**: 478-480.
- O'Connor, J. P. and Ronayne, C. (2007) *Stylops melittae* Kirby (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 199.
- O'Connor, J. P. and Ronayne, C. (2007) *Stylops melittae* Kirby (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **143**: 199.
- O'Connor, J. P., Sleeman, D. P. and Butler, F. T. (2005) A review of the Irish Anoplura (Insecta: Phthiraptera). *Irish Naturalists' Journal* **28**: 62-67.
- O'Connor, J. P. and Vaucheret, S. (2006) *Dorypteryx longipennis* Smithers (Psocopt., Psyllipsocidae) new to Ireland and a further Irish record of *Badonnelia titei* Pearman (Psocopt., Sphaeropsocidae). *Entomologist's Monthly Magazine* **142**: 62.
- O'Connor, J. P. and Wise, E. J. (1980) The larva of *Tinodes maculicornis* (Trichoptera: Psychomyiidae), with notes on the species' distribution and habitat in Ireland. *Freshwater Biology* **10**: 367-370.
- Oliver, G. A. and Healy, B. (1998) Records of aquatic fauna from coastal lagoons in Ireland. *Bulletin of the Irish Biogeographical Society* **21**: 66-115.
- O'Mahony, E. (1950) *Prolabia arachidis* (Yers.), an introduced earwig in Ireland. *Entomologist's Monthly Magazine* **86**: 359.
- Parkes, K. A., Amos, W., Moore, N. W., Hoffmann, J. I and Moore, J. (2009) Population structure and speciation in the dragonfly *Sympetrum striolatum/nigrescens* (Odonata: Libellulidae): an analysis using AFLP markers. *European Journal of Entomology* **106**: 179-184.
- Pearce, E. J. and Walton, G. A. (1939) A contribution towards an ecological survey of the aquatic and semi-aquatic Hemiptera-Heteroptera (water-bugs) of the British Isles. *Transactions of the Society of British Entomology* **6**: 149-180.
- Pericart, J. (1990) Hémiptères Saldidae et Leptopodidae d'Europe occidentale et du Maghreb. *Faune de France* **77**.
- Pilgrim, E. M. and von Dohler, C. D. (2007) Molecular and morphological study of species-level questions within the dragonfly genus *Sympetrum* (Odonata: Libellulidae). *Annals of the Entomological Society of America* **100**: 688-702.

- Rippey, I. (2001) Yellow-winged darter *Sympetrum flaveolum* L. and red-veined darter *Sympetrum fonscolombei* Selys (Odonata: Libellulidae) in Northern Ireland, 1995 & 1998. *Irish Naturalists' Journal* **26**: 382-383.
- Rogers, A. (1966) Studies on the biology of the eel (*Anguilla anguilla* L.), with an appraisal of its feeding relations with salmon parr (*Salmo salar* L.) and trout (*S. trutta* L.). *Annual Report of the Salmon Research Trust, Ireland*. Pp 41-65.
- Ronayne, C. and O'Connor, J. P. (2006) *Halictoxenos tumulorum* Perkins and *H. spencei* Nasonov (Strepsipt., Stylopidae) new to Ireland. *Entomologist's Monthly Magazine* **142**: 92.
- Schorr, M. and Paulson, D. (2011) World Odonata list.
<<http://www.pugetsound.edu/academics/academic-resources/slater-museum/biodiversity-resources/dragonflies/world-odonata-list>>
- Smiddy, P. and Sleeman, D. P. (1993) Avian fleas in Ireland: a review of their distribution and hosts. *Irish Birds* **5**: 55-60.
- Smithers, C. N. (1978) A new species and new records of Psocoptera (Insecta) from Ireland. *Irish Naturalists' Journal* **19**: 141-148.
- Smithers, C. N., O'Connor, J. P. and Peters, J. V. (2000) A list of Irish Psocoptera (Insecta) (Booklice, Barklice, Psocids). *Irish Naturalists' Journal* **26** (1999): 228-235.
- Southwood, T. R. E. and Leston, D. (1959) *Land and water bugs of the British Isles*. Warne, London.
- Spence, J. A. and West, A. B. (1964) The Cottage River experiment. *Annual Report of the Salmon Research Trust, Ireland*. Pp 40-53.
- Stelfox, A. W. (1932) A foreign lepidopteran introduced in Dublin. *Irish Naturalists' Journal* **4**: 119.
- Stelfox, A. W. (1938) *Metatropis rufescens* H-S.: a plant-bug new to Ireland. *Irish Naturalists' Journal* **7**: 88.
- Stelfox, A. W. (1965) Seven species of Hemiptera now recorded for the first time from Ireland. *Irish Naturalists' Journal* **15**: 46-47.
- Sterzyńska, M. and Bolger, T. (2004) Collembola of North Bull Island - new records for the Irish coast. *Fragmenta Faunistica* **47**: 47-50.
- Stroyan, H. L. G. (1984) Aphids - Pterocommatinae and Aphidinae (Aphidini). *Handbooks for the Identification of British Insects* **2**(6): 1-232.
- Sutton, P. G. (2008) Orthopteroids of the British Isles Recording Scheme.
<<http://www.orthoptera.org.uk/>>
- Templeton, R. (1834) Thysanurae Hibernicae, or descriptions of such species of spring-tailed insects (Podura and Lepisma, Linn.) as have been observed in Ireland; by R. Templeton, Esq., R.A., Corr. Member of the Natural History Society of Belfast: with introductory observations upon the Order by J. O. Westwood, F.L.S. &c. *Transactions of the Entomological Society of London* **1**: 89-98.
- Wallace, I. D., Wallace, B., O'Connor, J. P. and O'Connor, M. A. (1983) *Phacopteryx brevipennis* new to Ireland with notes on *Oxyethira simplex* and *Beraeodes minutus* (Insecta: Trichoptera). *Irish Naturalists' Journal* **21**: 168-169.
- Walton, G. A. (1936) A new species of Corixidae, *Sigara pearcei*, from Ireland; together with descriptions of its closely related species. *Transactions of the Society of British Entomology* **3**: 33-47.
- Walton, G. A. (1966) *Saldula opacula* (Zetterstedt) (Hemiptera) - a shorebug new to Ireland. *Irish Naturalists' Journal* **15**: 218-225.
- Walton, G. A. (1981) *Microvelia pygmaea* (Dufour, 1833) (Hemiptera: Veliidae), a flightless water bug new to Ireland. *Irish Naturalists' Journal* **20**: 223-228.
- Walton, G. A. (1986) *Saldula connemarae* sp. n. (Hemiptera: Saldidae), a new species of shore bug from Co Galway, Ireland. *Irish Naturalists' Journal* **22**: 51-52.
- Whitaker, A. P. (2007) Fleas (Siphonaptera). Second edition. *Handbooks for the Identification of British Insects* **1**(16).
- Woodroffe, G. E. (1966) The *Lygus pratensis* complex (Hem., Miridae) in Britain. *Entomologist* **99**: 183-186.

INDEX

<i>abbreviata</i> Curtis, 1834	69	<i>admaritima</i> Murphy, 1953	6
<i>abdominalis</i> Reuter, 1904	87	<i>adustus</i> (Hagen, 1865)	88
<i>ABGRALLASPIS</i>	64	<i>aechmeae</i> Newstead, 1898	64
<i>abietinum</i> (Walker, 1849)	54	<i>aegopodii</i> (Scopoli, 1763)	53
(<i>Elatobium</i>)		{ <i>aegyptium</i> (Linnaeus, 1764)}	74
<i>abietinus</i> Koch, 1857	61	<i>aemulans</i> (Kirschbaum, 1868)	45
(<i>Mindarus</i>)		<i>aenea</i> (Linnaeus, 1758)	73
<i>ACALYPTA</i>	25	<i>AEOPHILUS</i>	24
[<i>acanthopus</i> (Burmeister, 1839)]	77	<i>aequale</i> (Villers, 1789)	27
<i>ACANTHOSOMA</i>	38	<i>AESHNA</i>	72
<i>ACANTHOXYLA</i>	75	<i>aestivalis</i> (Fabricius, 1794)	22
<i>acauda</i> Gisin, 1947	9	<i>aestuarinus</i> (Edwards, 1908)	43
<i>ACERENTOMON</i>	15	<i>affine</i> Bagnall, 1912	15
<i>ACERENTULUS</i>	15	(<i>Acerentomon</i>)	
<i>acericola</i> (Walker, 1848)	59	<i>affinis</i> (Börner, 1903)	13
<i>acerinum</i> (Walker, 1848)	59	(<i>Metaphorura</i>)	
<i>aceris</i> (Linnaeus, 1761)	59	<i>affinis</i> Curtis, 1834	98
(<i>Periphyllus</i>)		(<i>Limnephilus</i>)	
<i>aceris</i> (Signoret, 1875)	65	<i>affinis</i> Fieber, 1866	42
(<i>Phenacoccus</i>)		(<i>Stiroma</i>)	
<i>ACHETA</i>	74	<i>affinis</i> Leach, 1817	21
<i>achilleae</i> (Koch, 1855)	57	(<i>Corixa</i>)	
<i>ACOMPOCORIS</i>	33	<i>affinis</i> (Schilling, 1829)	37
<i>ACOMPUS</i>	38	(<i>Scolopostethus</i>)	
<i>actophilus</i> (Kellogg and Chapman, 1899)	80	<i>affinis</i> (Kaltenbach, 1843)	60
<i>ACTORNITHOPHILUS</i>	76	(<i>Thecabius</i>)	
<i>acuminata</i> (Denis, 1925)	9	<i>afurcata</i> (Denis, 1926)	9
(<i>Friesea</i>)		<i>AGALLIA</i>	43
<i>acuminatus</i> (Fabricius, 1794)	44	<i>AGAPETUS</i>	100
(<i>Evacanthus</i>)		<i>agilis</i> (Kaltenbach, 1843)	61
<i>acuminatus</i> Haliday, 1836	92	(<i>Eulachnus</i>)	
(<i>Belothrips</i>)		<i>agilis</i> (Scopoli, 1763)	35
<i>ACYRTHOSIPHON</i>	52	(<i>Dicranocephalus</i>)	
<i>adela</i> (Flor, 1861)	42	<i>AGRAYLEA</i>	101
<i>ADELGES</i>	66	<i>agrelli</i> Gisin, 1944	5
<i>ADELPHOCORIS</i>	26	<i>AGRENIA</i>	6
<i>adenocarpus</i> <i>adenocarpus</i> (Perris, 1857)	30	<i>agrestis</i> (Fallén, 1806)	43
<i>ADICELLA</i>	96	<i>AGRYPNIA</i>	100
		<i>ajugae</i> Uzel, 1895	93

<i>alacris</i> Flor, 1861	68	<i>ALLONYCHIURUS</i>	12
<i>ALAINITES</i>	17	<i>ALLOTRICHIA</i>	101
[<i>alaterni</i> (Foerster, 1848)]	67	<i>ALLYGUS</i>	44
<i>alba</i> (Packard, 1873)	3	<i>alneti</i> (Dahlbom, 1850)	49
<i>albicans</i> (Kirschbaum, 1868)	47	<i>ALNETOIDEA</i>	49
(<i>Populicerus</i>)		<i>alni</i> (De Geer, 1773)	58
<i>albicans</i> (Zetterstedt, 1840)	97	(<i>Pterocallis</i>)	
(<i>Molanna</i>)		<i>alni</i> (Fallén, 1805)	42
<i>albicorne</i> (Scopoli, 1763)	97	(<i>Aphrophora</i>)	
<i>albifrons</i> Essig, 1911	55	<i>alni</i> (Linnaeus, 1758)	67
(<i>Macrosiphum</i>)		(<i>Psylla</i>)	
<i>albifrons</i> (Linnaeus, 1758)	43	<i>alni</i> (Shrank, 1801)	48
(<i>Anoscopus</i>)		(<i>Oncopsis</i>)	
<i>albifrons</i> (Linnaeus, 1758)	96	<i>alpinus</i> Reuter, 1875	33
(<i>Athripsodes</i>)		<i>alternatus</i> (Say, 1824)	18
<i>albifrons</i> (Tullberg, 1871)	14	(<i>Siphomurus</i>)	
(<i>Sminthurinus</i>)		<i>alternatus</i> (Silvestri, 1904)	69
<i>albinacula</i> (Rambur, 1842)	96	(<i>Trigoniophthalmus</i>)	
<i>albinus</i> Nicolet, 1842	3	<i>alticola</i> Uzel, 1891	4
<i>albiventris</i> (Foerster, 1848)	68	(<i>Orchesella</i>)	
<i>albocincta</i> (Templeton, 1835)	3	<i>alticolus</i> Bagnall, 1949	6
<i>alboguttatus</i> (Dalman, 1823)	87	(<i>Pseudanurophorus</i>)	
<i>albolineata</i> (Killington, 1935)	69	<i>alticolus</i> (Carl, 1899)	7
<i>albomarginatus</i> Curtis, 1833	41	(<i>Isotomurus</i>)	
(<i>Criomorphus</i>)		<i>ALYDUS</i>	35
<i>albomarginatus</i> (De Geer, 1773)	74	<i>AMALARAEUS</i>	90
(<i>Chorthippus</i>)		<i>ambigua</i> (Foerster, 1848)	67
<i>albomarginatus</i> Wagner, 1941	46	(<i>Cacopsylla</i>)	
(<i>Psammotettix</i>)		<i>ambiguus</i> (Fallén, 1807)	32
<i>albostriella</i> (Fallén, 1826)	48	(<i>Psallus</i>)	
<i>alcae</i> (Denny, 1842)	80	<i>ambulans</i> (<i>ambulans</i>) (Fallén, 1807)	30
<i>ALEBRA</i>	48	(<i>Mecomma</i>)	
<i>ALEYRODES</i>	51	<i>ambulans</i> (Linnaeus, 1758)	11
<i>aliena</i> Theobald, 1915	51	(<i>Onychiurus</i>)	
(<i>Aphis</i>)		<i>AMELETUS</i>	17
<i>alienum</i> Herrich-Schaeffer, 1835	20	<i>americana</i> (Linnaeus, 1758)	17
(<i>Cryptostemma</i>)		(<i>Periplaneta</i>)	
<i>ALLACMA</i>	14	<i>americanus</i> Morgan, 1913	92
<i>ALLAPHIS</i>	62	(<i>Echinothrips</i>)	
<i>ALLOCOLPOCEPHALUM</i>	76	<i>AMPHIGERONTIA</i>	88

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>AMPHINEMURA</i>	83	<i>antennata</i> (Kaltenbach, 1843)	58
<i>AMPHOROPHORA</i>	52	<i>ANTHOCORIS</i>	33
<i>ampullata</i> Buckton, 1876	52	<i>antirrhinii</i> (Macchiati, 1883)	56
<i>AMYRSIDEA</i>	76	<i>ANURAPHIS</i>	53
<i>ANABOLIA</i>	98	<i>ANURIDA</i>	10
<i>ANACERATAGALLIA</i>	43	<i>ANURIDELLA</i>	10
{ <i>ANACRIDIUM</i> }	74	<i>ANUROPHORUS</i>	4
<i>ANAKELISIA</i>	42	<i>APATANIA</i>	97
<i>ANAPHOTHRIPS</i>	92	<i>APHALARA</i>	66
<i>ANATICOLA</i>	78	<i>APHELOCHEIRUS</i>	22
[<i>ANATOECCUS</i>]	78	<i>APHIS</i>	51
<i>ANAX</i>	72	<i>APHRODES</i>	43
<i>anceps</i> (Germar, 1821)	41	<i>APHROPHORA</i>	42
<i>anglicana</i> Lubbock, 1862	7	<i>apiastri</i> (Denny, 1842)	80
<i>angularis</i> (Axelson, 1905)	5	<i>APLONEURA</i>	60
<i>angulata</i> Mosely, 1922	101	<i>APOLYGUS</i>	26
(<i>Hydroptila</i>)		<i>apterus</i> Linnaeus, 1758	38
<i>angulatus</i> (Fallén, 1807)	29	<i>APTINOTHRIPS</i>	92
(<i>Blepharidopterus</i>)		<i>AQUANIRMUS</i>	78
<i>angulatus</i> (Stephens, 1836)	71	<i>AQUARIUS</i>	23
(<i>Micromus</i>)		<i>aquatica</i> Linnaeus, 1758	13
<i>angusta</i> Lethierry, 1874	49	(<i>Podura</i>)	
<i>angustella</i> (McLachlan, 1865)	102	<i>aquaticus</i> (Bourlet, 1843)	15
<i>angustipennis</i> (Curtis, 1834)	94	(<i>Sminthurides</i>)	
<i>angustulus</i> (Boheman, 1852)	37	[<i>aquilinus</i> (Denny, 1842)]	79
<i>annulatus</i> (Hartig, 1841)	58	<i>arachidis</i> (Yersin, 1860)	16
(<i>Tuberculatus</i>)		<i>ARADUS</i>	35
<i>annulatus</i> (Stephens, 1837)	98	<i>arboreus</i> (Linnaeus, 1758)	7
(<i>Drusus</i>)		<i>ARBORIDIA</i>	49
<i>annulicornis</i> (Stephens, 1836)	96	<i>arbustorum arbustorum</i> (Fabricius, 1794)	32
<i>annulipes</i> (Dohrn, 1864)	16	<i>ARCHAEOPSYLLA</i>	89
(<i>Euborellia</i>)		<i>archangelicae</i> (Scopoli, 1763)	53
<i>annulipes</i> O. M. Reuter, 1880	93	<i>ARCHISOTOMA</i>	4
(<i>Phlaeothrips</i>)		<i>arctica</i> Cassagnau, 1959	6
<i>ANOECIA</i>	51	(<i>Tetracanthella</i>)	
<i>anophthalma</i> Börner, 1901	9	<i>arctica</i> (Zetterstedt, 1840)	73
<i>ANOSCOPUS</i>	43	(<i>Somatochlora</i>)	
[<i>anserinum</i> (J.C.Fabricius, 1805)]	77	<i>ARCTOCORISA</i>	20
<i>anseris</i> (Linnaeus, 1758)	78	<i>ARCTORTHEZIA</i>	65
<i>antennalis</i> Bagnall, 1940	7	<i>ardeae</i> (Linnaeus, 1758)	78

<i>ARDEICOLA</i>	78	<i>ATLANTOPSOCUS</i>	88
<i>arenarius arenarius</i> (Linnaeus, 1758)	37	<i>atomarius</i> (Meyer-Dür, 1843)	28
<i>argentatus</i> Schummel, 1832.23		<i>atra</i> Morton, 1896	83
<i>argentipunctellus</i> McLachlan, 1877	97	<i>ATRACTOTOMUS</i>	31
<i>armata</i> (Nicolet, 1841)	8	<i>atratus</i> Haliday, 1836	93
(<i>Ceratophysella</i>)		(<i>Thrips</i>)	
<i>armata</i> (Tullberg, 1869)	11	<i>atratus</i> Nitzsch, 1818	80
(<i>Protaphorura</i>)		(<i>Philopterus</i>)	
<i>armatus</i> Axelson, 1903	11	<i>atrebatinus</i> Eaton, 1870	17
(<i>Xenyllodes</i>)		<i>atrifrons</i> McLachlan, 1868	70
<i>armatus</i> Eaton, 1870	18	<i>atriplicis</i> (Linnaeus, 1761)	54
(<i>Siphonurus</i>)		<i>atropunctata</i> (Goeze, 1778)	49
<i>AROCEPHALUS</i>	46	<i>aubei</i> (Perris, 1857)	42
<i>ARRHOPALITES</i>	14	<i>AULACASPIS</i>	64
<i>artemisiae</i> (Boyer de Fonscolombe, 1841)	55	<i>AULACORTHUM</i>	53
<i>ARTHALDEUS</i>	46	<i>aurantipes</i> (Edwards, 1894)	44
<i>arundicolens</i> (Clarke, 1903)		<i>AURANTOTHRIPS</i>	92
<i>arvalis</i> (Fitch, 1863)	14	<i>aurata</i> (Linnaeus, 1758)	49
<i>ARYTAINA</i>	66	(<i>Eupteryx</i>)	
<i>ARYTAINILLA</i>	66	<i>auratus</i> (Haan, 1829)	81
<i>ascalonicus</i> Doncaster, 1946	56	(<i>Quadriceps</i>)	
<i>ASCIODEMA</i>	31	<i>aureus</i> (Hopkins, 1949)	82
<i>asigillata</i> (Börner, 1901)	10	(<i>Scolopiceps</i>)	
<i>asini</i> (Linnaeus, 1758)	78	<i>aureus</i> (Lubbock, 1862)	14
<i>ASPIDIOTUS</i>	64	(<i>Sminthurinus</i>)	
<i>aspidistrae aspidistrae</i> (Signoret, 1869)	64	<i>auricula</i> Curtis, 1834	98
<i>assimilis</i> (Krausbauer, 1898)	15	(<i>Limnephilus</i>)	
(<i>Sminthurides</i>)		<i>auricula</i> (Forsslund, 1930)	97
[<i>assimilis</i> McLachlan, 1865]	95	(<i>Apatania</i>)	
(<i>Tinodes</i>)		<i>auricularia</i> Linnaeus, 1758	16
<i>asteris</i> (Walker, 1849)	55	<i>aurovittata</i> (Douglas, 1875)	50
<i>ASTERODIASPIS</i>	63	<i>australasiae</i> (Fabricius, 1775)	17
<i>asynamorus</i> Adelung, 1902	75	<i>AUSTROMENOPON</i>	76
<i>ater</i> Dufour, 1833	34	<i>avellanae</i> (Edwards, 1888)	49
(<i>Dufouriellus</i>)		(<i>Edwardsiana</i>)	
<i>ater</i> (Linnaeus, 1758)	27	<i>avellanae</i> Edwards, 1920	48
(<i>Capsus</i>)		(<i>Oncopsis</i>)	
<i>aterrimus</i> (Stephens, 1836)	96	<i>avellanae</i> (Schrank, 1801)	53
<i>ATHEROIDES</i>	59	(<i>Corylobium</i>)	
<i>ATHRIPSOIDES</i>	96	<i>avenae</i> (Fabricius, 1775)	57

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>aviator</i> (Evans, 1912)	82	<i>betulicola</i> (Kaltenbach, 1843)	58
<i>avicularis</i> Morton, 1894	83	(<i>Calaphis</i>)	
<i>AXELSONIA</i>	6	<i>betulicola</i> (Wagner, 1955)	48
<i>axillaris</i> (Smithers, 1969)	86	(<i>Kybos</i>)	
<i>azurea</i> (Linnaeus, 1761)	97	<i>betulinus</i> (Horvath, 1896)	61
<i>baccarum</i> (Linnaeus, 1758)	39	<i>bicarinata</i> (Herrich-Schäffer, 1835)	42
<i>BACTERICERA</i>	68	<i>bicaudata</i> (Linnaeus, 1758)	84
<i>BADONNELIA</i>	86	<i>bicinctus</i> (Schrank, 1776)	43
<i>BAEOPELMA</i>	66	<i>biclavis</i> (Comstock, 1883)	64
<i>BAETIS</i>	17	<i>bicolor</i> (Curtis, 1834)	97
<i>bakeri</i> (Cowen, 1895)	56	(<i>Triaenodes</i>)	
(<i>Nearctaphis</i>)		<i>bicolor</i> (Douglas and Scott, 1868)	31
<i>BALANOCOCCUS</i>	65	(<i>Platycranus</i>)	
<i>BALCLUTHA</i>	45	<i>bicolor</i> (Piaget, 1880)	76
<i>BALIOTHRIPS</i>	92	(<i>Actornithophilus</i>)	
<i>BALLISTURA</i>	4	<i>bicuspis</i> (Herrich-Schaeffer, 1835)	34
<i>baltica</i> McLachlan, 1877	97	<i>bidens</i> (Linnaeus, 1758)	39
(<i>Erotesis</i>)		<i>bidenticulata</i> (Tullberg, 1876)	6
cf <i>baltica</i> Szeptycki, 1964	10	<i>bifasciata</i> (Boheman, 1851)	50
(<i>Friesea</i>)		(<i>Zonocyba</i>)	
[<i>barbarus</i> (Fabricius, 1798)]	71	<i>bifasciata</i> (Latreille, 1799)	88
<i>basale</i> (Kolenati, 1848)	98	(<i>Amphigerontia</i>)	
<i>basalis</i> (A. Costa, 1853)	28	<i>bifasciatus</i> (Linnaeus, 1758)	43
(<i>Orthops</i>)		(<i>Planaphrodes</i>)	
<i>bassani</i> (O. Fabricius, 1780)	80	<i>bifidum</i> (Bengtsson, 1912)	17
<i>BELOTHRIPS</i>	92	<i>bifrons</i> (Newman, 1839)	83
<i>bengtssoni</i> (Ågren, 1904)	8	<i>bilineatus</i> (Fallén, 1807)	31
<i>BERAEA</i>	100	(<i>Orthotylus</i>)	
<i>BERAEODES</i>	100	<i>bilineatus</i> (Linnaeus, 1758)	96
<i>bergmanni</i> (Tullgren, 1916)	49	(<i>Athripsodes</i>)	
<i>BERTKAUIA</i>	86	<i>bimaculata</i> (Linnaeus, 1758)	95
<i>BERYTINUS</i>	36	<i>binotatus</i> Curtis, 1834	98
<i>besselsi</i> (Packard, 1877)	4	(<i>Limnephilus</i>)	
<i>betae</i> Westwood, 1849	60	<i>binotatus</i> (Fabricius, 1794)	29
<i>betulae</i> (Koch, 1855)	58	(<i>Stenotus</i>)	
(<i>Euceraphis</i>)		<i>bipunctata</i> Pictet, 1833	84
<i>betulae</i> (Linnaeus, 1758)	68	(<i>Perla</i>)	
(<i>Psylla</i>)		<i>bipunctata</i> Retzius, 1783	100
<i>BETULAPHIS</i>	57	(<i>Phryganea</i>)	
<i>betuleti betuleti</i> (Fallén, 1826)	32	<i>bipunctatus</i> (Axelson, 1903)	5

(<i>Cryptopygus</i>)		(<i>Philichthyophaga</i>)	
<i>bisetosa</i> Gisin, 1953	5	<i>brevicornis</i> Laing, 1920	59
BLASTE	88	(<i>Atheroides</i>)	
BLATTA	17	<i>brevicornis</i> Priesner, 1920	93
BLATTELLA	16	(<i>Thrips</i>)	
BLEPHARIDOPTERUS	29	BREVICORYNE	53
<i>boerner</i> i Axelson, 1905	9	[<i>brevifurca</i> (Bagnall, 1949)]	5
(<i>Xenylla</i>)		<i>brevipennis</i> (Curtis, 1834)	98
<i>boerner</i> i Schoett, 1902	10	(<i>Anabolia</i>)	
(<i>Pseudachorutes</i>)		<i>brevipennis</i> (Latreille, 1807)	38
<i>boerner</i> i Stroyan, 1957	58	(<i>Plinthisus</i>)	
(<i>Myzocallis</i>)		<i>brevipilosus</i> Börner, 1940	61
<i>boisduvalii</i> Signoret, 1869	64	<i>brev</i> is Reuter, 1877	31
BOLOTHRIPS	93	<i>brevistylis</i> Carpenter, 1913	69
<i>boltoni</i> Curtis, 1834	101	<i>briggsi</i> McLachlan, 1899	86
<i>boltonii</i> (Donovan, 1807)	72	BRUEELIA KÉLER, 1936	78
<i>bonnairei</i> Signoret, 1879	24	<i>brunnea</i> (Germar, 1837)	25
<i>bonsdorffii</i> (C. R. Sahlberg, 1819)	20	(<i>Acalypta</i>)	
<i>boops</i> (Schjødte, 1870)	33	<i>brunneipennis</i> (Edwards, 1896)	67
<i>borealis</i> Rothschild, 1907	90	<i>brunneus</i> (Thunberg, 1815)	74
(<i>Ceratophyllus</i>)		(<i>Chorthippus</i>)	
<i>borealis</i> Tjeder, 1930	70	<i>brunneus brunneus</i> (R. F. Sahlberg, 1848)	37
(<i>Coniopteryx</i>)		(<i>Drymus</i>)	
<i>bostrychophila</i> Badonnel, 1931	85	BRYOCORIS	26
BOTHYNOTUS	26	<i>bufo</i> (Walker, 1848)	62
BOURLETIELLA	14	<i>burmeisteri</i> (Brauer, 1876)	86
BOVICOLA	82	(<i>Valenzuela</i>)	
<i>bovis</i> (Linnaeus, 1758)	82	<i>burmeisteri</i> (Fahrenholz, 1919)	77
BRACHYCAUDUS	53	(<i>Solenopotes</i>)	
BRACHYPTERA	84	<i>burmeisteri</i> (Lubbock, 1873)	11
<i>brachyptera</i> (Boheman, 1847)	43	(<i>Kalaphorura</i>)	
BRACHYSTOMELLA	9	<i>bursarius</i> (Linnaeus, 1758)	60
BRACHYTRON	72	<i>butleri</i> Le Quesne, 1954	33
<i>brachyura</i> Bagnall, 1949	6	<i>buxi</i> (Bouché, 1851)	64
<i>brassicae</i> (Linnaeus, 1758)	53	(<i>Pinnaspis</i>)	
<i>brevicauda</i> Agrell, 1939	5	<i>buxi</i> (Linnaeus, 1758)	68
(<i>Folsomia</i>)		(<i>Psylla</i>)	
<i>brevicauda</i> Tullberg, 1869	9	CACOPSYLLA	66
(<i>Xenylla</i>)		CAECILIUS	86
[<i>brevicornis</i> (Denny, 1842)]	80	<i>caecus</i> (Tullberg, 1871)	14

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>CAENIS</i>	19	<i>capillatus</i> Enderlein, 1914	77
<i>caerulea</i> (Linnaeus, 1758)	39	<i>carpini</i> (Koch, 1855)	58
(<i>Zicrona</i>)		<i>capitis</i> De Geer, 1778	78
<i>caerulea</i> Bourlet, 1839	7	<i>CAPITOPHORUS</i>	53
(<i>Isotoma</i>)		<i>CAPNIA</i>	83
<i>CALAPHIS</i>	57	<i>CAPRAINEA</i>	14
<i>calcarata</i> Denis, 1925	10	<i>caprai caprai</i> Tamanini, 1947	23
(<i>Anuridella</i>)		<i>capreae</i> (Mosley, 1841)	58
<i>calcarata</i> (Fallén, 1807)	29	<i>CAPSODES</i>	27
(<i>Stenodema</i>)		<i>CAPSUS</i>	27
<i>calcaratus</i> Linnaeus, 1758	35	<i>cardui</i> Linnaeus, 1758	53
(<i>Alydus</i>)		(<i>Brachycaudus</i>)	
<i>CALLICORIXA</i>	20	<i>cardui</i> (Linnaeus, 1758)	25
<i>CALLIGYPONA</i>	40	(<i>Tingis</i>)	
{ <i>CALLIPTAMUS</i> }	74	<i>CARDUICEPS</i>	79
<i>calliptera</i> (Hartig, 1841)	58	<i>carduinus</i> (Walker, 1850)	53
<i>CALLIPTERINELLA</i>	58	<i>caricis</i> (Fallén, 1807)	29
<i>callipygos</i> (Börner, 1902)	13	(<i>Cyrtorhinus</i>)	
<i>CALLOPSYLLA</i>	90	<i>caricis</i> (Mordvilko, 1921)	62
<i>callosa</i> (Then, 1886)	50	(<i>Thripsaphis</i>)	
<i>CALOCORIS</i>	27	<i>carinata</i> (Panzer, 1806)	25
<i>CALOPTERYX</i>	71	(<i>Acalypta</i>)	
[<i>cambrica</i> Stephens, 1836]	83	<i>carinata</i> (C. R. Sahlberg, 1819)	20
<i>campata</i> (Gisin, 1952)	12	(<i>Arctocorisa</i>)	
<i>campestris</i> (Fabricius, 1794)	34	<i>carnea</i> (Stephens, 1836)	69
(<i>Lycocoris</i>)		<i>carnosum</i> (Buckton, 1876)	55
<i>campestris</i> (Fallén, 1805)	43	<i>carri</i> (Edwards, 1914)	50
(<i>Neophilaenus</i>)		<i>CARULASPIS</i>	64
<i>campestris</i> (Linnaeus, 1758)	28	<i>castanea</i> (Thomson, 1869)	21
(<i>Orthops</i>)		<i>castanicola</i> Baker, 1917	58
<i>CAMPODEA</i>	15	<i>cataphracta</i> (Olafsen, 1772)	65
<i>CAMPTOZYGUM</i>	27	<i>CAVARIELLA</i>	53
<i>CAMPYLONEURA</i>	26	[<i>cavifrons</i> Thomson, 1869]	20
<i>cancellatum</i> (Linnaeus, 1758)	73	[<i>ceblebrachys</i> (Denny, 1842)]	82
<i>candida</i> Willem, 1902	5	<i>celidoxa</i> (Burmeister, 1838)	81
<i>candidula</i> (Kirschbaum, 1868)	49	<i>centralis</i> Curtis, 1834	99
<i>canis</i> (Curtis, 1826)	89	<i>centranthi</i> Theobald, 1915	55
(<i>Ctenocephalides</i>)		<i>CENTROPTILUM</i>	17
<i>canis</i> (De Geer, 1778)	82	<i>cephalotes</i> (Curtis, 1827)	84
(<i>Trichodectes</i>)		(<i>Dinocras</i>)	

<i>cephalotes</i> (Herrich-Schäffer, 1834)	46	<i>cholodkovskyi</i> (Mordvilko, 1909)	55
(<i>Psammotettix</i>)		<i>CHORTHIPPUS</i>	74
<i>CERACLEA</i>	96	<i>chrysanthemi</i> (Theobald, 1920)	56
<i>cerasi</i> (Fabricius, 1775)	56	(<i>Pleotrichophorus</i>)	
<i>CERATOCOMBUS</i>	19	<i>chrysanthemi</i> (Wolff, 1804)	32
<i>CERATOPHYSELLA</i>	8	(<i>Plagiognathus</i>)	
<i>CERATOPHYLLUS</i>	90	<i>CHRYSOMPHALUS</i>	64
<i>CERATOTHRIPS</i>	92	<i>CHRYSOPA</i>	69
<i>cerea</i> (Germar, 1837)	47	<i>CHRYSOPERLA</i>	69
<i>cerealium</i> Haliday, 1836	93	<i>CHRYSOTROPIA</i>	69
[<i>CERIAGRION</i>]	71	<i>CICADELLA</i>	44
<i>CEROBASIS</i>	85	<i>CICADULA</i>	44
<i>CERURAPHIS</i>	53	<i>cichorii</i> (Koch, 1855)	57
<i>cervinus</i> (Herrich-Schaeffer, 1841)	28	<i>CICONIPHILUS</i>	76
<i>CHADRACEPS</i>	79	[<i>ciliaris</i> (Linnaeus, 1761)]	100
<i>CHAETOPTERYX</i>	98	<i>ciliata</i> (Wesmael, 1841)	69
<i>CHAETOSIPHON</i>	53	<i>CIMEX</i>	34
<i>CHAITOPHORUS</i>	58	<i>cimiciformis</i> von Heyden, 1837	60
<i>CHAMAEPSYLLA</i>	67	<i>CINARA</i>	61
<i>charadrii charadrii</i> (Linnaeus, 1758)	81	<i>cincli</i> (Denny, 1842)	79
<i>charadrii hospes</i> (Nitzsch in Giebel, 1866)	81	<i>CINCLOECUS</i>	79
<i>CHARAGOCHILUS</i>	27	<i>cincta cincta</i> (Herrich-Schaeffer, 1841)	24
<i>CHARTOSCIRTA</i>	24	(<i>Chartoscirta</i>)	
<i>chasteli</i> Beaucournu, Monnat and		<i>cincta</i> (Linnaeus, 1758)	4
Launay, 1982	90	(<i>Orchesella</i>)	
<i>CHELOPISTES</i>	78	<i>cincta</i> (Retzius, 1783)	18
<i>cheopis</i> (Rothschild, 1903)	89	(<i>Paraleptophlebia</i>)	
<i>CHEUMATOPSYCHE</i>	94	<i>cinerea</i> Linnaeus, 1758	20
<i>CHILACIS</i>	36	(<i>Nepa</i>)	
<i>CHILOXANTHUS</i>	24	<i>cinerea</i> (Retzius, 1783)	83
<i>CHIMARRA</i>	96	(<i>Nemoura</i>)	
<i>CHIONASPIS</i>	64	<i>cinereus</i> (Curtis, 1834)	96
<i>chiragra</i> (Fabricius, 1794)	38	(<i>Athripsodes</i>)	
<i>CHIROTHRIPS</i>	92	<i>cinereus</i> (Nicolet, 1842)	7
<i>CHLAMYDATUS</i>	31	(<i>Vertagopus</i>)	
<i>chloridis</i> (Schränk, 1776)	80	<i>cingulatus</i> (Denny, 1842)	79
<i>CHLORIONA</i>	40	(<i>Carduiceps</i>)	
<i>CHLORITA</i>	48	<i>cingulatus</i> (Stephens 1837)	100
<i>chlorizans</i> (Panzer, 1794)	30	(<i>Potamophylax</i>)	
<i>CHLOROPERLA</i>	84	<i>circumflexum</i> Buckton, 1876	56

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>cirsii</i> (Linnaeus, 1758)	57	<i>concolor</i> (Kirschbaum, 1856)	31
<i>citri</i> (Risso, 1813)	65	<i>confinis</i> (Berlese, 1908)	15
<i>citrinella</i> (Zetterstedt, 1828)	48	(<i>Acerentulus</i>)	
<i>CIXIUS</i>	40	<i>confinis</i> (Dahlbom, 1850)	46
<i>clarus</i> (Banks, 1908)	88	(<i>Psammotettix</i>)	
<i>clavata</i> Morton, 1905	102	<i>confinis</i> (Koch, 1856)	61
<i>claviculus</i> (Fallén, 1807)	36	(<i>Cinara</i>)	
<i>claviseta</i> Axelson, 1900	10	<i>confinis</i> (Zetterstedt, 1828)	45
<i>CLETHROBIUS</i>	58	(<i>Thamnotettix</i>)	
<i>CLOEON</i>	17	<i>conformis</i> Neboiss, 1963	101
<i>CLOSTEROTOMUS</i>	27	(<i>Glossosoma</i>)	
<i>clypealis</i> (Sahlberg, 1871)	42	<i>conformis</i> (Blagoveshtchensky, 1940)	81
<i>COCCUS</i>	63	(<i>Quadriceps</i>)	
<i>COECOBRYA</i>	3	<i>confusa</i> Walker, 1849	51
<i>COENAGRION</i>	72	(<i>Aphis</i>)	
<i>coenosus</i> Curtis, 1834	99	<i>confusus</i> (Flor, 1861)	47
<i>coerulescens</i> (Fabricius, 1798)	73	(<i>Populicerus</i>)	
<i>coffae</i> (Walker, 1852)	63	<i>confusus</i> Reuter, 1884	33
<i>colchici</i> (Denny, 1842)	78	(<i>Anthocoris</i>)	
<i>coleoptratus</i> (Fabricius, 1781)	42	<i>confusus</i> Rieger, 1981	32
(<i>Issus</i>)		(<i>Psallus</i>)	
<i>coleoptratus</i> (Zetterstedt, 1819)	19	<i>CONIOPTERYX</i>	70
(<i>Ceratocombus</i>)		<i>connemarae</i> Walton, 1986	24
<i>COLOCERAS</i>	78	<i>CONOCEPHALUS</i>	75
<i>COLPOCEPHALUM</i>	76	<i>CONOMELUS</i>	41
<i>columbae</i> (Gervais, 1844)	90	<i>CONOSANUS</i>	44
(<i>Ceratophyllus</i>)		<i>CONOSTETHUS</i>	31
<i>columbae</i> (Linnaeus, 1758)	79	<i>conspersa</i> (Curtis, 1834)	95
(<i>Columbicola</i>)		(<i>Plectrocnemia</i>)	
<i>COLUMBICOLA</i>	79	[<i>conspersus</i> (Rambur, 1842)]	97
<i>colymbinus</i> (Scopoli, 1763)	78	(<i>Ylodes</i>)	
<i>comes</i> (Walker, 1848)	58	<i>constrictus</i> (Boheman, 1852)	26
<i>commutatus</i> (Rostock, 1874)	96	<i>contaminata</i> (Stephens, 1836)	88
<i>compositellae</i> (Theobald, 1924)	56	(<i>Amphigerontia</i>)	
<i>COMPSIDOLON</i>	31	<i>contaminatus</i> Fallén, 1807	27
<i>concavifrons</i> (Hopkins, 1960)	82	(<i>Lygocoris</i>)	
<i>concinna</i> (Germar, 1831)	50	<i>contractus</i> (Herrich-Schaeffer, 1835)	37
(<i>Eurhadina</i>)		<i>contubernalis</i> McLachlan, 1865	94
<i>concinna concinna</i> (Fieber, 1848)	21	<i>convergens</i> (Herrich-Schaeffer, 1835)	25
(<i>Paracorixa</i>)		<i>CONWENTZIA</i>	70

<i>cooleyi</i> (Gillette, 1907)	66	<i>crithmi</i> (Low, 1877)	68
<i>CORDULEGASTER</i>	72	(<i>Bactericera</i>)	
<i>CORDULIA</i>	73	<i>critica</i> Ellis, 1976	13
<i>COREUS</i>	35	<i>crocea</i> (Herrich-Schäffer, 1837)	45
<i>coriaceus</i> (Fabricius, 1777)	29	<i>cruciatus</i> (Linnaeus, 1768)	86
<i>CORIXA</i>	21	<i>cruenta</i> (Herrich-Schäffer, 1838)	50
<i>CORIZUS</i>	35	(<i>Fagocyba</i>)	
<i>corni corni</i> (Bouché, 1844)	63	<i>cruentatus</i> (Panzer, 1799)	44
(<i>Parthenolecanium</i>)		(<i>Idiodonus</i>)	
<i>corni</i> (Fabricius, 1775)	51	<i>CRUNOECIA</i>	98
<i>cornicis</i> (De Geer, 1778)	77	<i>CRYPTAPHIS</i>	53
<i>cornuta</i> Mosely, 1922	101	<i>CRYPTOCOCCUS</i>	65
<i>corrodens</i> (Heymons, 1909)	85	<i>CRYPTOMYZUS</i>	54
<i>corsicus</i> (Kolbe, 1882)	86	<i>CRYPTOPYGUS</i>	5
[<i>corticalis</i> Nasonov, 1908]	65	<i>CRYPTOSTEMMA</i>	19
<i>corvi</i> (Linnaeus, 1758)	80	<i>CTENARYTAINA</i>	68
<i>CORVONIRMUS</i>	79	<i>CTENOCEPHALIDES</i>	89
<i>coryli</i> (Linnaeus, 1758)	31	<i>CTENOPHTHALMUS</i>	91
<i>CORYLOBIUM</i>	53	<i>culiciformis</i> (De Geer, 1773)	35
<i>corymbiferarum</i> Haliday, 1836	93	<i>CUMMINGSIELLA</i>	79
<i>COSMOTETTIX</i>	46	<i>CUNCTOCHRYSA</i>	69
<i>costae poissoni</i> Wagner and Zimmermann, 1955	23	<i>CUNEOPALPUS</i>	87
<i>costalis</i> (Curtis, 1834)	102	<i>cunhai</i> Condé, 1950	15
<i>costata</i> (Zetterstedt, 1828)	61	<i>cunicularius</i> (Linnaeus, 1767)	40
<i>craccivora</i> Koch, 1854	51	<i>cuniculi</i> (Dale, 1878)	89
<i>CRASPEDOLEPTA</i>	67	<i>curvatinervis</i> (Foerster, 1848)	68
[<i>CRASPEDORHYNCHUS</i>]	79	<i>curvicollis</i> Bourlet, 1839	3
<i>crassicauda</i> (Tullberg, 1871)	7	[<i>curviseta</i> Brook, 1882]	3
<i>crassicornis</i> (Scopoli, 1763)	78	<i>cuspidata</i> (Fabricius, 1775)	47
<i>crataegarius</i> (Walker, 1850)	56	<i>cyanea</i> (Müller, 1764)	72
<i>crataegi</i> (Douglas, 1876)	49	(<i>Aeshna</i>)	
(<i>Edwardsiana</i>)		<i>cyaneus</i> Tullberg, 1871	3
<i>crataegi</i> (Kaltenbach, 1843)	54	(<i>Lepidocyrtus</i>)	
(<i>Dysaphis</i>)		<i>cyanophylli</i> (Signoret, 1869)	64
<i>crataegi</i> (Schränk, 1801)	67	<i>cyanops</i> (Rostock, 1876)	87
(<i>Cacopsylla</i>)		<i>cyathigerum</i> (Charpentier, 1840)	72
<i>CRIOMORPHUS</i>	41	<i>cyclops</i> Matsumura, 1906	49
<i>crithmi</i> (Buckton, 1886)	54	[<i>cygni</i> (Denny, 1842)]	78
(<i>Dysaphis</i>)		(<i>Anatoecus</i>)	
		[<i>cygni</i> (Linnaeus, 1758)]	80

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>(Ornithobius)</i>		<i>(Stenaphorurella)</i>	
<i>CYLLECORIS</i>	29	<i>denisi</i> Bagnall, 1939	10
<i>CYMATIA</i>	20	<i>(Gastranurida)</i>	
<i>CYMUS</i>	36	<i>denisi</i> Mills, 1932	9
<i>CYPHODERUS</i>	3	<i>DENNYUS</i>	76
<i>CYPHOSTETHUS</i>	38	<i>denticornis</i> Haliday, 1836	93
<i>CYRNUS</i>	95	<i>denticulata</i> (Bagnall, 1941)	8
<i>CYRTORHINUS</i>	29	<i>dentipes</i> (O. M. Reuter, 1880)	93
<i>dahlbomi</i> (Zetterstedt, 1840)	46	<i>(Bolothrips)</i>	
<i>DAKTULOSPRAIRA</i>	66	<i>dentipes</i> Thomson, 1869	21
<i>dalecarlica</i> Kolenati, 1848	98	<i>(Corixa)</i>	
<i>dalii</i> McLachlan, 1866	71	<i>depressa</i> Linnaeus, 1758	73
<i>(Sisyra)</i>		<i>(Libellula)</i>	
<i>dalii</i> (McLachlan, 1867)	88	<i>depressus depressus</i> (Fabricius, 1794)	35
<i>(Trichopsocus)</i>		<i>(Aradus)</i>	
<i>DAMALINIA</i>	82	<i>DERAEOCORIS</i>	26
<i>damicornis</i> (Nitzsch, 1866)	78	<i>DEREPHYSIA</i>	25
<i>danae</i> (Sulzer, 1776)	73	<i>DESORIA</i>	6
<i>danica</i> Müller, 1764	19	<i>DEUTERAPHORURA</i>	11
<i>dasyncema</i> (<i>dasyncema</i> (Rothschild, 1897)	91	<i>DEUTEROSMINTHURUS</i>	14
<i>DASYPSYLLUS</i>	90	<i>devoniensis</i> (Green, 1896)	65
<i>debilis</i> (Douglas, 1876)	50	<i>DIASPIDIOTUS</i>	64
<i>(Ribautiana)</i>		<i>DIASPIS</i>	64
<i>debilis</i> (Moniez, 1890)	12	<i>DICHOCHRYSA</i>	70
<i>(Thalassaphorura)</i>		<i>DICHROOSCYTUS</i>	27
<i>decimfasciatus</i> (Boisduval and		<i>DICRANOCEPHALUS</i>	35
Lacordaire, 1835)	76	<i>DICRANOTROPIS</i>	41
<i>decimusquartus</i> (Schränk, 1776)	47	<i>Dictyla</i>	25
<i>decipiens</i> Denis, 1925	3	<i>dictyospermi</i> (Morgan, 1889)	64
<i>(Pseudosinella)</i>		<i>DICYPHUS</i>	26
<i>decipiens</i> (Kolenati, 1848)	99	<i>DICYRTOMA</i>	14
<i>(Limnephilus)</i>		<i>DICYRTOMINA</i>	14
<i>decipiens</i> Paoli, 1930	48	<i>didymus</i> Roesler, 1939	87
<i>(Empoasca)</i>		<i>digitatus</i> (Schränk, 1781)	99
<i>decoratus</i> (Hahn, 1833)	37	<i>dilatatus</i> (Herrich-Schaeffer, 1840)	38
<i>delicatus</i> McLachlan, 1884	100	<i>DILTA</i>	69
<i>DELPHACINUS</i>	41	<i>dilutior</i> (Kirschbaum, 1868)	45
<i>DELPHAX</i>	41	<i>dimidiatus</i> Kirschbaum, 1856	28
<i>DELTOCEPHALUS</i>	45	<i>diminutus</i> (Leonardi, 1918)	65
<i>denisi</i> (Bagnall, 1935)	13	<i>DINOCRAS</i>	84

<i>DIPLECTRONA</i>	94	<i>domestica</i> (Nicolet, 1841)	4
<i>diplophthalma</i> (Axelson, 1902)	5	(<i>Seira</i>)	
<i>diptera</i> (Burmeister, 1839)	71	<i>domestica</i> (Packard, 1837)	102
(<i>Psectra</i>)		(<i>Thermobia</i>)	
<i>dipterum</i> (Linnaeus, 1761)	17	<i>domestica</i> (Smithers, 1958)	85
(<i>Cloeon</i>)		(<i>Dorypteryx</i>)	
<i>dirhodum</i> (Walker, 1848)	55	<i>domesticus</i> (Linnaeus, 1758)	74
<i>discolor</i> (Boheman, 1847)	41	(<i>Acheta</i>)	
(<i>Javesella</i>)		<i>DORATOPSYLLA</i>	91
<i>discolor</i> Haliday, 1836	93	<i>dorsalis</i> (Curtis, 1834)	102
(<i>Thrips</i>)		(<i>Rhyacophila</i>)	
<i>discrepans</i> (Flor, 1861)	68	<i>dorsalis</i> (Latreille, 1804)	75
<i>dispar</i> (Boheman, 1852)	30	(<i>Conocephalus</i>)	
(<i>Mecomma</i>)		<i>dorsalis</i> (Leach, 1817)	21
<i>dispar</i> (Curtis, 1834)	18	(<i>Sigara</i>)	
(<i>Ecdyonurus</i>)		<i>DORYPTERYX</i>	85
<i>dispar</i> (Haliday, 1836)	92	<i>DREPANOSIPHUM</i>	59
(<i>Baliothrips</i>)		<i>DRUSUS</i>	98
[<i>dissimilis</i> (Denny, 1842)]	78	<i>dryas</i> Kirby, 1890	71
(<i>Oulocrepis</i>)		<i>DRYMUS</i>	37
<i>dissimilis</i> (Stephens, 1836)	96	<i>dryophila</i> Schrank, 1801	62
(<i>Ceraclea</i>)		<i>DRYOPHILOCORIS</i>	29
<i>distincta</i> (Fieber, 1848)	21	<i>dubia</i> (Kirschbaum, 1868)	41
(<i>Sigara</i>)		(<i>Javesella</i>)	
<i>distinctus</i> (Flor, 1861)	42	<i>dubius</i> (Rambur, 1842)	95
(<i>Nothodelphax</i>)		(<i>Holocentropus</i>)	
<i>distinguenda</i> Edwards, 1913	68	<i>DUFOURIELLUS</i>	34
(<i>Psyllopsis</i>)		<i>DYSAPHIS</i>	
<i>distinguendus</i> (Kirschbaum, 1868)	40	<i>DYSMICOCCUS</i>	65
(<i>Cixius</i>)		<i>ECCLISOPTERYX</i>	98
<i>distinguendus</i> (Kirschbaum, 1868)	47	<i>ECDYONURUS</i>	18
(<i>Tremulicerus</i>)		{ <i>ECHIDNOPHAGA</i> }	89
<i>DITROPIS</i>	41	<i>ECHINOTHRIPS</i>	92
<i>DIURA</i>	84	<i>ECNOMUS</i>	94
<i>DIURAPHIS</i>	54	<i>ECTOPSOCUS</i>	86
<i>dives</i> (Pictet, 1834)	95	<i>edinensis</i> (Bagnall, 1935)	12
[<i>divinatoria</i> (Mueller, 1776)]	85	<i>EDWARDSIANA</i>	49
<i>dolabrata</i> (Linnaeus, 1758)	29	<i>ELASMOTETHUS</i>	38
<i>dollfusi</i> (Denis, 1924)	3	<i>ELASMUCHA</i>	38
<i>DOLYCORIS</i>	39	<i>ELATOBIUM</i>	54

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>ELECTROGENA</i>	18	<i>ericae</i> (Haliday, 1836)	92
<i>elegans</i> Curtis, 1834	99	(<i>Ceratothrips</i>)	
(<i>Limnephilus</i>)		<i>ericae</i> (Horváth, 1908)	36
<i>elegans</i> (Fitch, 1863)	14	(<i>Kleidocerys</i>)	
(<i>Sminthurinus</i>)		<i>ericetorum ericetorum</i> (Fallén, 1807)	30
<i>elegans</i> (Flor, 1861)	47	(<i>Orthotylus</i>)	
(<i>Metidiocerus</i>)		<i>ericetorum</i> Scholtz, 1847	33
<i>elegans</i> (Vander Linden, 1820)	72	(<i>Nabis</i>)	
(<i>Ischnura</i>)		<i>erinacei erinacei</i> (Bouché, 1835)	89
<i>elegantula</i> (Baerensprung, 1858)	25	<i>ERIOCOCCUS</i>	65
(<i>Loricula</i>)		[<i>ERIOPELTIS</i>]	63
<i>elegantula longicornis</i> (Jakovlev, 1882)	24	<i>eriophori</i> (Walker, 1848)	53
(<i>Chartoscirta</i>)		<i>ERIOSOMA</i>	59
<i>elegantulus</i> (Boheman, 1847)	41	<i>ermineae</i> (Hopkins, 1941)	82
(<i>Hyledelphax</i>)		<i>EROTESIS</i>	97
<i>ELENCHUS</i>	92	<i>errans</i> (Wolff, 1804)	26
<i>ELIPSOCUS</i>	87	<i>ERRASTUNUS</i>	46
<i>ellipsoides</i> Stach, 1949	10	[<i>erratica</i> Claassen, 1936]	83
<i>elongatus</i> (Curtis, 1832)	90	(<i>Nemoura</i>)	
<i>ELYMANA</i>	44	<i>erratica</i> (Linnaeus, 1758)	29
<i>EMELYANOVIANA</i>	48	(<i>Notostira</i>)	
<i>EMPICORIS</i>	35	<i>ERYTHROMMA</i>	72
<i>EMPOASCA</i>	48	<i>EUBORELLIA</i>	16
<i>ENALLAGMA</i>	72	<i>EUCALLIPTERUS</i>	58
<i>ENDERLEINELLA</i>	86	<i>eucalypti</i> (Maskell, 1890)	68
<i>ENDERLEINELLUS</i>	77	<i>EUCERAPHIS</i>	58
<i>enervis</i> Herrich-Schaeffer, 1835	38	<i>EUCONOMELUS</i>	41
<i>engadinensis</i> (Gisin, 1949)	8	<i>EULACHNUS</i>	61
<i>ENTOMOBRYA</i>	3	<i>EULECANIUM</i>	63
<i>EOSENTOMON</i>	15	<i>EUPELIX</i>	47
<i>EPHEMERA</i>	19	<i>euphorbiae</i> (Thomas, 1878)	55
<i>EPHEMERELLA</i>	18	<i>euphorbiellum</i> Theobald, 1917	55
<i>ephippiger</i> (Burmeister, 1839)	72	<i>EUPTERYCYBA</i>	49
<i>EPICAECILIUS</i>	86	<i>EUPTERYX</i>	49
<i>epilobii</i> Kaltenbach, 1843	52	<i>EURHADINA</i>	50
(<i>Aphis</i>)		{ <i>EURYDEMA</i> }	39
<i>epilobii</i> Reuter, 1883	26	<i>EURYGASTER</i>	39
(<i>Dicyphus</i>)		<i>euryrhyncha</i> (Giebel, 1874)	81
<i>ericae</i> (Curtis, 1835)	68	<i>EURYSA</i>	41
(<i>Strophingia</i>)		<i>eurysternus</i> (Nitzsch, 1818)	78

(<i>Haematopinus</i>)		<i>ferus</i> (Linnaeus, 1758)	33
<i>eurysternus minusculus</i> Blagoveshtchensky, 1940	76	[<i>festucae</i> (Boyer de Fonscolombe, 1834)]	63
(<i>Menacanthus</i>)		(<i>Eriopeltis</i>)	
<i>EUSCELIS</i>	44	<i>festucae</i> (Theobald, 1917)	55
<i>EVACANTHUS</i>	44	(<i>Macrosiphum</i>)	
<i>exilis</i> Fallén, 1807	25	<i>fieberi</i> (Edwards, 1889)	45
(<i>Loricula</i>)		(<i>Macrosteles</i>)	
<i>exilis</i> (Nitzsch in Giebel, 1861)	82	<i>fieberi</i> (Fieber, 1864)	32
(<i>Lutridia</i>)		(<i>Psallodema</i>)	
<i>exilis</i> (Weber and Mohr, 1804)	66	<i>FIEBEROCAPSUS</i>	30
(<i>Aphalara</i>)		<i>filicis</i> (Linnaeus, 1758)	26
[<i>extricatus</i> McLachlan, 1865]	99	<i>filicum</i> (Newman, 1853)	49
<i>extrusa</i> (Scott, 1871)	41	[<i>fimbriata</i> (Pictet, 1834)]	97
<i>fabae</i> Scopoli, 1763	51	<i>finetaria</i> (Linnaeus, 1758)	5
<i>fagesii</i> (Guinard, 1879)	102	<i>finetarioides</i> (Axelson, 1903)	5
<i>fagi</i> (Linnaeus, 1767)	62	<i>FIORINIA</i>	64
<i>fagisuga</i> Lindinger, 1936	65	<i>finorinae</i> (Targioni Tozzetti, 1867)	64
<i>FAGOCYBA</i>	50	[<i>fissus</i> (Burmeister, 1838)]	81
<i>fairmairei</i> (Perris, 1857)	41	<i>flammigera</i> (Geoffroy in Fourcroy, 1785)	49
<i>falcata</i> Morton, 1893	101	<i>flava</i> Mordvilko, 1928	58
<i>falcifer</i> Künckel d'Herculais, 1878	65	(<i>Calaphis</i>)	
<i>fallax</i> (Börner, 1903)	3	<i>flava</i> (Scopoli, 1763)	70
<i>falleni</i> (Fieber, 1848)	21	(<i>Nineta</i>)	
(<i>Sigara</i>)		<i>flavellus</i> Stichel, 1933	32
<i>falleni</i> Reuter, 1883	32	<i>flaveolum</i> (Linnaeus, 1758)	73
(<i>Psallus</i>)		(<i>Sympetrum</i>)	
<i>fallenoidea</i> (Hungerford, 1926)	22	<i>flaveolus</i> (Reuter, 1870)	30
<i>farfarae</i> (Koch, 1854)	53	(<i>Fieberocapsus</i>)	
<i>farinosa</i> J. F. Gmelin, 1790	51	<i>flavescens</i> (Tullberg, 1871)	8
<i>farreni farreni</i> Rotschild, 1905	90	<i>flavicollis</i> (Linnaeus, 1761)	48
<i>fasciata</i> (Fabricius, 1787)	88	<i>flavicornis</i> (Fabricius, 1787)	99
(<i>Loensia</i>)		(<i>Limnephilus</i>)	
<i>fasciatus</i> (Bosc, 1800)	91	<i>flavicornis</i> (Pictet, 1834)	101
(<i>Nosopsyllus</i>)		(<i>Oxyethira</i>)	
<i>FELICOLA</i>	82	<i>flavidus</i> McLachlan, 1864	95
<i>felis felis</i> (Bouché, 1835)	89	(<i>Cyrnus</i>)	
<i>felix</i> McLachlan, 1878	94	<i>flavidus</i> (Stephens, 1836)	86
<i>fennahi</i> Young, 1977	44	(<i>Caecilius</i>)	
<i>ferrugata</i> (Fallén, 1807)	29	<i>flavifrons</i> (Brauer, 1850)	70
		<i>flavinervis</i> (Kirschbaum, 1856)	30

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>flavipennis</i> (Foerster, 1848)	67	<i>fracticollis</i> (Schilling, 1829)	38
(<i>Craspedolepta</i>)		<i>fragaefolii</i> (T. D. A. Cockerell, 1901)	53
<i>flavipennis</i> (Zetterstedt, 1828)	48	<i>fragariae</i> (Walker, 1848)	57
(<i>Notus</i>)		<i>fragilis</i> Meinert, 1865	15
<i>flavomaculatus</i> (Fabricius, 1794)	30	(<i>Campodea</i>)	
(<i>Globiceps</i>)		<i>fragilis</i> (Pictet, 1834)	95
<i>flavomaculatus</i> (Pictet, 1834)	95	(<i>Psychomyia</i>)	
(<i>Polycentropus</i>)		<i>franciscoi</i> Conci, 1942	77
[<i>flavomarginatus</i> (Donovan, 1798)]	27	<i>frangulae</i> Kaltenbach, 1845	52
(<i>Capsodes</i>)		FRANKLINIELLA	92
<i>flavomarginatus</i> Scholtz, 1847	33	<i>fraxini</i> (Fabricius, 1777)	60
(<i>Nabis</i>)		(<i>Prociphilus</i>)	
<i>flavoquadrinaculatus</i> (De Geer, 1773)	29	<i>fraxini</i> (Linnaeus, 1758)	68
<i>flavosparsus</i> (C. R. Sahlberg, 1841)	30	(<i>Psyllopsis</i>)	
<i>flavostriatus</i> (Donovan, 1799)	43	<i>fraxinicola</i> (Foerster, 1848)	68
<i>flavus</i> Schrank, 1776	93	<i>fregili</i> (Denny, 1842)	76
(<i>Thrips</i>)		<i>frequens</i> (Walker, 1848)	54
<i>floccifera</i> (Westwood, 1870)	63	<i>frici</i> Klapálek, 1891	101
<i>floccosa</i> (De Geer, 1778)	65	FRIESEA	9
FLORODELPHAX	41	<i>fringillae</i> De Geer, 1778	77
<i>foeniculi</i> Passerini, 1860	54	(<i>Ricinus</i>)	
<i>foersteri</i> (Flor, 1861)	66	<i>fringillae fringillae</i> (Scopoli, 1772)	80
<i>foliacea foliacea</i> Fallén, 1807	25	(<i>Philopterus</i>)	
FOLSOMIA	5	<i>frontalis</i> (Herrich-Schäffer, 1835)	44
FOLSOMIDES	5	(<i>Cicadula</i>)	
<i>fonscolombii</i> Foerster, 1848	68	<i>frontalis</i> (Scott, 1875)	45
(<i>Spanioneura</i>)		(<i>Macrosteles</i>)	
<i>fonscolombii</i> (Sélys, 1840)	73	FRONTOPSYLLA	89
(<i>Sympetrum</i>)		<i>frustrator</i> (Edwards, 1908)	49
FORCIPATA	48	FULICOFFULA	79
<i>forcipata</i> (Boheman, 1847)	41	<i>fuligineus</i> (Geoffroy, 1785)	38
(<i>Javesella</i>)		<i>fulva</i> Müller, 1764	73
<i>forcipata</i> (Eaton, 1873)	101	(<i>Libellula</i>)	
(<i>Hydroptila</i>)		<i>fulva</i> (Rambur, 1842)	96
FORDA	60	(<i>Ceraclea</i>)	
FORFICULA	16	<i>fulvicephalus</i> (Scopoli, 1763)	71
<i>formicaria</i> von Heyden, 1837	60	<i>fulvicollis</i> Jakovlev, 1877	30
<i>formicarum</i> Newstead, 1893	63	<i>fulvipes</i> Curtis, 1834	94
<i>forsslundi</i> Gisin, 1949	10	<i>fulvomaculata</i> (Denny, 1842)	76
<i>fossarum</i> (Leach, 1817)	22	<i>funestum</i> (Macchiati, 1885)	55

<i>furcata</i> Mulsant and Rey, 1852	23	<i>genistae</i> (Latreille, 1804)	66
(<i>Mesovelia</i>)		<i>GEOICA</i>	60
<i>furcata</i> (Theobald, 1915)	51	<i>geometrica</i> (Schrank, 1801)	49
(<i>Anoecia</i>)		<i>germanica</i> Eaton, 1885	18
<i>furcifera</i> (Börner, 1901)	12	(<i>Rhithrogena</i>)	
<i>furva</i> (Rambur, 1842)	97	<i>germanica</i> (Linnaeus, 1767)	17
<i>fusca</i> (Linnaeus, 1758)	14	(<i>Blattella</i>)	
(<i>Allacma</i>)		<i>germanica</i> Linnaeus, 1758	68
<i>fusca</i> (Linnaeus, 1758)	83	(<i>Panorpa</i>)	
(<i>Leuctra</i>)		<i>germari</i> (Fieber, 1848)	20
<i>fusca</i> (Lubbock, 1873)	14	(<i>Arctocorisa</i>)	
(<i>Dicyrtoma</i>)		<i>germari</i> (Zetterstedt, 1840)	50
[<i>fuscatus</i> (Linnaeus, 1761)]	17	(<i>Wagneripteryx</i>)	
<i>fuscinervis</i> (Zetterstedt, 1840)	99	<i>GERRIS</i>	23
<i>fuscipennis</i> Haliday, 1836	93	<i>gibbosa</i> (Bagnall, 1940)	8
<i>fuscipes</i> Curtis, 1834	100	(<i>Ceratophysella</i>)	
<i>fuscogrisea</i> (Retzius, 1783)	18	<i>gibbosa</i> (Sulzer, 1776)	88
<i>fuscopterus</i> (Latreille, 1799)	86	(<i>Psococerastis</i>)	
<i>fuscovittatus</i> (Stål, 1858)	42	<i>GLAENOCORISA</i>	20
<i>fuscula</i> (Zetterstedt, 1828)	47	<i>glandicolor</i> Hahn, 1832	36
<i>fuscus</i> (Denny, 1842)	79	<i>glandulosus</i> (Kaltenbach, 1846)	56
<i>galactinus</i> Fieber, 1836	34	<i>glauca glauca</i> Linnaeus, 1758	22
<i>galeopsidis</i> (Kaltenbach, 1843)	54	<i>GLOBICEPS</i>	30
<i>galii</i> Foerster, 1848	68	<i>GLOSSOSOMA</i>	101
<i>galiophagum</i> (Wimshurst, 1923)	55	<i>glyceriae</i> (Kaltenbach, 1843)	59
<i>gallarumulmi</i> (De Geer, 1773)	33	<i>GLYPHINA</i>	62
{ <i>gallinacea</i> (Westwood, 1875)}	89	<i>GLYPHOTAEIUS</i>	98
<i>gallinae</i> (Schrank, 1803)	90	<i>GOERA</i>	98
<i>gallinulae gallinulae</i> (Dale, 1878)	91	<i>GOMPHUS</i>	73
<i>GAMPSOCORIS</i>	36	<i>GONIODES</i>	78
<i>garei</i> Rothschild, 1902	90	<i>gracilenta</i> Horváth, 1899	23
<i>garretti</i> Bagnall, 1939	6	<i>gracilis</i> Horváth, 1907	33
<i>garruli</i> Boisduvale and Lacordaire, 1835	80	(<i>Temnostethus</i>)	
<i>GASTRANURIDA</i>	10	<i>grammatica</i> (Poda, 1761)	84
<i>GASTRODES</i>	37	<i>GRAMMOTAULIUS</i>	98
<i>gei</i> (Koch, 1855)	55	<i>granaria</i> (Nicolet, 1847)	10
<i>geniculata</i> McLachlan, 1871	95	<i>grandis</i> Horváth, 1880	37
(<i>Plectrocnemia</i>)		(<i>Scolopostethus</i>)	
[<i>geniculatus</i> Hahn, 1832]	38	<i>grandis</i> (Linnaeus, 1758)	72
(<i>Peritrechus</i>)		(<i>Aeshna</i>)	

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>grandis</i> Linnaeus, 1758	100	<i>HAEMATOPINUS</i>	78
(<i>Phryganea</i>)		<i>HAEMODIPSUS</i>	77
<i>granulata</i> Stach, 1949	8	<i>haemorrhoidale</i> (Linnaeus, 1758)	38
<i>GRAPHOCEPHALA</i>	44	(<i>Acanthosoma</i>)	
<i>GRAPHOPSOCUS</i>	86	<i>haemorrhoidalis</i> (Bouché, 1833)	93
<i>grassei</i> (Denis, 1923)	10	(<i>Heliothrips</i>)	
{ <i>gregaria</i> (Forskål, 1775)}	74	<i>HALESUS</i>	99
<i>grisea</i> Axelson, 1900	9	<i>HALICTOXENOS</i>	92
(<i>Xenylla</i>)		<i>halidayi</i> Bagnall, 1924	93
<i>grisea</i> (Linnaeus, 1758)	38	<i>HALISOTOMA</i>	7
(<i>Elasmucha</i>)		<i>HALLODAPUS</i>	31
<i>griseoptera</i> (De Geer, 1773)	75	<i>HALOENTOMOBRYA</i>	3
<i>griseola</i> Horváth, 1899	20	<i>halophila</i> (Bagnall, 1937)	13
<i>grisescens</i> (Zetterstedt, 1828)	45	(<i>Thalassaphorura</i>)	
<i>griseus</i> Douglas and Scott, 1870	31	<i>halophila</i> (Hardy, 1868)	65
(<i>Conostethus</i>)		(<i>Ripersiella</i>)	
<i>griseus</i> (Linnaeus, 1758)	99	<i>HALOSALDA</i>	24
(<i>Limnophilus</i>)		<i>HAMAMELISTES</i>	61
<i>grossipes grossipes</i> (De Geer, 1773)	37	<i>hamata</i> (Boheman, 1847)	41
<i>grossulariae</i> Kaltenbach, 1843	52	<i>HAPLOTHRIPS</i>	93
<i>grossum</i> (Linnaeus, 1758)	74	<i>HARPOCERA</i>	31
{ <i>GRYLLODES</i> }	74	<i>hartigii</i> (Flor, 1861)	67
<i>GRYLLOTALPA</i>	75	<i>HAUPTIDIA</i>	49
<i>gryllotalpa</i> (Linnaeus, 1758)	75	<i>HAYHURSTIA</i>	54
<i>GRYPOCORIS</i>	27	<i>HEBRUS</i>	23
<i>guestfalica</i> (Kolbe, 1880)	85	<i>hederae</i> Kaltenbach, 1843	52
[<i>guttata</i> Pictet, 1834]	94	<i>helichrysi</i> (Kaltenbach, 1843)	53
(<i>Hydropsyche</i>)		<i>HELIOTHRIPS</i>	93
<i>guttatus</i> Denny, 1842	80	<i>helvimacula</i> (Enderlein, 1901)	87
(<i>Philopterus</i>)		<i>HEMEROBIUS</i>	70
<i>guttula</i> (Germar, 1818)	42	<i>HEPTAGENIA</i>	18
(<i>Kelisia</i>)		<i>hesperidum hesperidum</i> Linnaeus, 1758	63
[<i>guttulata</i> (Pictet, 1834)]	98	<i>HESPEROCORIXA</i>	21
(<i>Ecclisopteryx</i>)		<i>HETEROCORDYLUS</i>	30
<i>guttulifera</i> (Kirschbaum, 1868)	42	[<i>HETEROGASTER</i>]	36
<i>gyllenhalii</i> (Fallén, 1807)	27	<i>HETEROMURUS</i>	4
<i>GYMNASPIS</i>	64	<i>HETEROSMINTHURUS</i>	14
<i>gyricornis</i> (Denny, 1842)	80	<i>HETEROTOMA</i>	30
<i>haematodes</i> (Gmelin, 1790)	32		
<i>haematopi</i> (Linnaeus, 1758)	81	<i>hexactenus</i> (Kolenati, 1856)	90

<i>hiaticulae hiaticulae</i> (O. Fabricius, 1780)	79	<i>hyalinus</i> (Stephens, 1836)	87
<i>hiaticulae boeophilus</i> (Kellogg, 1896)	79	<i>(Elipsocus)</i>	
<i>hibernica</i> (Carpenter, 1907)	69	<i>HYALOPTEROIDES</i>	54
<i>HIMACERUS</i>	33	<i>HYALOPTERUS</i>	52
<i>hippophaes</i> (Foerster, 1848)	67	<i>HYDATOPHYLAX</i>	99
<i>hippopus</i> Kempny, 1899	83	<i>HYDROMETRA</i>	23
<i>hirsutus</i> (Pictet, 1834)	99	<i>HYDROPSYCHE</i>	94
<i>hirtellus</i> Haliday, 1838	59	<i>HYDROPTILA</i>	101
<i>(Atheroides)</i>		<i>HYLEDELPHAX</i>	41
<i>hirtum</i> (Fabricius, 1775)	98	<i>hyoscyami</i> (Linnaeus, 1758)	35
<i>hirundinis</i> (Curtis, 1826)	90	<i>HYPEROMYZUS</i>	54
<i>(Ceratophyllus)</i>		<i>hypochoeridis</i> (Börner, 1940)	52
<i>hirundinis</i> (Lamarck, 1816)	34	<i>(Aphis)</i>	
<i>(Oeciacus)</i>		<i>hypochoeridis</i> (Fabricius, 1779)	57
<i>hirundinis</i> (Linnaeus, 1758)	76	<i>(Uroleucon)</i>	
<i>(Dennyus)</i>		<i>HYPOGASTRURA</i>	9
<i>histrionicus</i> (Fabricius, 1794)	43	<i>HYSTRICHOPSYLLA</i>	91
<i>histrionius</i> (Linnaeus, 1767)	29	<i>IASSUS</i>	47
<i>holci</i> (Hille Ris Lambers, 1956)	54	<i>iberica</i> Jansson, 1981	21
<i>HOLOCENTROPUS</i>	95	<i>IBIDOECUS</i>	79
<i>holophaeus</i> (Burmeister, 1838)	80	<i>[ICERYA]</i>	65
<i>holsata</i> (Fabricius, 1787)	29	<i>[icterodes</i> (Nitzsch, 1818)]	78
<i>HOPLOPLEURA</i>	77	<i>idaei</i> (Börner, 1930)	52
<i>HOPLOTHRIPS</i>	93	<i>(Amphorophora)</i>	
<i>horaria</i> (Linnaeus, 1758)	19	<i>idaei</i> van der Goot, 1912	52
<i>horii beuthani</i> (Börner, 1950)	58	<i>(Aphis)</i>	
<i>hortensis</i> (Fitch, 1863)	14	<i>IDIOCERUS</i>	47
<i>horvathi</i> (Wagner, 1935)	45	<i>IDIODONUS</i>	44
<i>howardi howardi</i> (Baker, 1895)	91	<i>IDIOPTERUS</i>	54
<i>HOWARDIA</i>	64	<i>ignavus</i> McLachlan, 1865	99
<i>hukkineni</i> Priesner, 1939	93	<i>igniceps</i> (Reuter, 1881)	14
<i>humanus</i> Linnaeus, 1758	78	<i>ignita</i> (Poda, 1761)	19
<i>humboldti</i> (Essig, 1941)	57	<i>[iliaci</i> (Denny, 1842)]	78
<i>humicola</i> (O. Fabricius, 1780)	9	<i>ilicis</i> Kaltenbach, 1843	52
<i>humilis</i> (Walker, 1852)	54	<i>ILLINOIA</i>	54
<i>humuli</i> (Schränk, 1801)	56	<i>immaculata</i> (Lie-Pettersen, 1896)	3
<i>humulinus</i> Linnaeus, 1758	70	<i>(Pseudosinella)</i>	
<i>HYADAPHIS</i>	54	<i>immaculatus</i> (Heeger, 1856)	51
<i>hyalinus</i> Fabricius, 1794	35	<i>(Siphoninus)</i>	
<i>(Liorhyssus)</i>		<i>immaculatus</i> (Stephens, 1836)	86

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

(<i>Stenopsocus</i>)		<i>ISCHNODEMUS</i>	36
<i>immsiana</i> Bagnall, 1939	10	<i>ISCHNOPSYLLUS</i>	90
<i>immunis</i> (Stephens, 1836)	87	<i>ISCHNURA</i>	72
<i>imperator</i> Leach, 1815	72	<i>ISOPERLA</i>	84
<i>impunctatus zetlandicus</i> McLachlan, 1884	99	<i>isostoma</i> (Nitzsch, 1866)	77
<i>impura</i> (Boheman, 1847)	47	<i>ISOTOMA</i>	7
<i>incisus</i> Curtis, 1834	99	<i>ISOTOMIELLA</i>	5
(<i>Limnephilus</i>)		<i>ISOTOMODES</i>	5
<i>incisus</i> (Kirschbaum, 1858)	44	<i>ISOTOMURUS</i>	7
(<i>Euscelis</i>)		<i>ISSUS</i>	42
<i>inconspicua</i> (Douglas and Scott, 1871)	25	{ <i>italicus</i> (Linnaeus, 1758)}	74
<i>inermis</i> Kempny, 1899	83	<i>ITHYTRICHIA</i>	102
(<i>Leuctra</i>)		<i>IZIPHYA</i>	62
<i>inermis</i> Salmon, 1955	75	<i>jaceae</i> Linnaeus, 1758	57
(<i>Acanthoxyla</i>)		<i>JACKSONIA</i>	55
<i>inermis</i> Tullberg, 1871	11	<i>jacobaeae</i> Schrank, 1801	52
(<i>Deuteraphorura</i>)		<i>jacutensis</i> Mordvilko, 1931	62
<i>infumatus</i> (McLachlan, 1865)	99	<i>japonicus</i> (Uchida, 1915)	77
<i>inoculata</i> Stach, 1947	5	<i>JASSARGUS</i>	46
<i>inopinatus</i> Eaton, 1887	17	<i>JAVESELLA</i>	41
[<i>inquilinus</i> Heyden, 1850]	85	<i>jucunda</i> (Herrich-Schäffer, 1837)	49
<i>insignis</i> (Eaton, 1870)	18	<i>junceae</i> (Linnaeus, 1758)	72
<i>insolutus</i> McLachlan, 1878	95	(<i>Aeshna</i>)	
<i>instabilis</i> (Curtis, 1834)	94	<i>junceus</i> (Scopoli, 1763)	81
<i>intermedia</i> (Boheman, 1845)	44	(<i>Quadriceps</i>)	
(<i>Cicadula</i>)		<i>junci</i> (Schrank, 1789)	67
<i>intermedia</i> Mills, 1934	9	<i>JUNCOBIA</i>	62
(<i>Willemia</i>)		<i>juncorum</i> Bagnall, 1913	93
<i>intermedius</i> (Rothschild, 1898)	90	<i>KAGERONIA</i>	18
(<i>Ischnopsyllus</i>)		<i>KAKOTHRIPS</i>	93
<i>interruptus</i> (Linnaeus, 1758)	44	<i>KALAMA</i>	25
<i>interstinctus</i> (Linnaeus, 1758)	38	<i>KALAPHORURA</i>	11
<i>iowensis</i> (Mills, 1932)	13	<i>kalmii</i> (Linnaeus, 1758)	28
<i>irritans</i> Linnaeus, 1758	89	<i>KALTENBACHIELLA</i>	59
<i>irrorata</i> (Curtis, 1834)	98	<i>KELERINIRMUS</i>	79
(<i>Crunoecia</i>)		<i>KELISIA</i>	42
<i>irroratus</i> (Curtis, 1835)	95	<i>kelloggi</i> (Ribaga, 1905)	85
(<i>Polycentropus</i>)		[<i>KERMES</i>]	65
<i>ISCHNASPIS</i>	64	<i>kingi</i> McLachlan, 1881	95
<i>ISCHNOCORIS</i>	37	<i>KLEIDOCERYS</i>	36

<i>kochiana</i> (Börner, 1939)	61	<i>lari</i> (O. Fabricius, 1780)	81
KOENIGINIRMUS	79	<i>laricis</i> Nicolet, 1842	4
<i>krausbaueri</i> Börner, 1901	13	(<i>Anurophorus</i>)	
KYBOS	48	<i>laricis</i> Vallot, 1836	66
LABIA	16	(<i>Adelges</i>)	
LACHESILLA	87	<i>lasiocarpae</i> Ossiannilsson, 1981	44
LACHNUS	61	LASIOSOMUS	38
<i>lactucae</i> (Linnaeus, 1758)	54	<i>lateralis</i> (Curtis, 1834)	18
<i>lacustris</i> Eaton, 1870	18	(<i>Electrogena</i>)	
(<i>Siphonurus</i>)		<i>lateralis</i> (Fallén, 1807)	24
<i>lacustris</i> (Linnaeus, 1758)	24	(<i>Halosalda</i>)	
(<i>Gerris</i>)		<i>lateralis</i> (Leach, 1817)	22
<i>lacustris</i> (Pictet, 1834)	97	(<i>Sigara</i>)	
(<i>Oecetis</i>)		<i>lateralis</i> Schummel, 1832	24
LAEMOBOTHRION	76	(<i>Gerris</i>)	
<i>laeta</i> (Jordan and Rothschild, 1920)	89	<i>lateralis</i> (Stephens, 1837)	100
<i>laetitiae</i> Rothschild, 1908	89	(<i>Micropterna</i>)	
<i>laevigata</i> (Linnaeus, 1758)	29	<i>laticollis</i> (Reuter, 1884)	34
(<i>Stenodema</i>)		<i>latipennis</i> (Curtis, 1834)	100
<i>laevigatus laevigatus</i> (Fieber, 1860)	34	LECANOPSIS	63
(<i>Orius</i>)		<i>lectularius</i> Linnaeus, 1758	34
<i>laevis</i> (Ribaut, 1927)	45	<i>leegei</i> (Börner, 1940)	62
[LAGOPOECUS]	80	<i>lentisci</i> (Passerini, 1856)	60
LAINGIA	59	<i>lepida</i> (Pictet, 1834)	94
<i>lambersi</i> (MacGillivray, 1960)	55	LEPIDOCYRTUS	3
<i>lamellaris</i> Eaton, 1873	102	LEPIDOSAPHES	64
<i>laminatipes</i> (Bagnall, 1937)	11	LEPIDOSTOMA	98
<i>laminatus</i> (Flor, 1861)	47	<i>lepidus</i> (Boheman, 1847)	41
LAMPROPLAX	37	(<i>Euconomelus</i>)	
LAMPROTETTIX	45	<i>lepidus</i> Fieber, 1858	32
<i>lampsanae</i> (Börner, 1932)	54	(<i>Psallus</i>)	
<i>lanigerum</i> Hausmann, 1802	59	LEPINOTUS	85
<i>lanio</i> (Linnaeus, 1761)	47	LEPISMA	102
<i>lankesteri</i> Silvestri, 1912	15	<i>leporinus</i> (Linnaeus, 1761)	40
<i>lanuginosa</i> (Nicolet, 1841)	3	LEPTOCERUS	97
(<i>Entomobrya</i>)		LEPTOPHLEBIA	18
<i>lanuginosus</i> (Gmelin, 1788)	3	LEPTOPHYES	75
(<i>Lepidocyrtus</i>)		LEPTOPSYLLA	89
LAODELPHAX	41	LEPTOPTERNA	29
<i>lappae</i> (Koch, 1854)	54	<i>leptopygos</i> Nitzsch in Giebel, 1874	76

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>leptosoma</i> (Flor, 1861)	41	<i>LIOCORIS</i>	27
<i>lesnei</i> Finot, 1887	16	<i>LIORHYSSUS</i>	35
<i>LESTES</i>	71	<i>LIPOSCELIS</i>	85
<i>lethierryi</i> (Edwards, 1881)	49	<i>littoralis</i> (Linnaeus, 1758)	24
[<i>LEUCASPIS</i>]	65	(<i>Salda</i>)	
<i>leucomelas</i> Koch, 1854	59	<i>littoralis</i> (Moniez, 1890)	6
<i>LEUCTRA</i>	83	(<i>Axelsonia</i>)	
<i>LIBELLULA</i>	73	<i>littoralis</i> (Walker, 1848)	59
[<i>libyca</i> (Caroli, 1914)]	9	(<i>Sipha</i>)	
<i>LICHTENSIA</i>	63	<i>lituratus</i> (Fabricius, 1794)	39
[<i>lichtensteini</i> Signoret, 1877]	63	(<i>Piezodorus</i>)	
<i>lignorum</i> (Fabricius, 1775)	3	<i>lituratus</i> (Fallén, 1806)	47
<i>limbatus</i> Dahlbom, 1851	33	(<i>Idiocerus</i>)	
(<i>Nabis</i>)		<i>LIVIA</i>	67
<i>limbatus</i> Fieber, 1836	33	<i>LIVILLA</i>	67
(<i>Anthocoris</i>)		{ <i>LOCUSTA</i> }	74
<i>limbatus</i> (Gervais, 1844)	82	<i>LOENSIA</i>	88
(<i>Bovicola</i>)		<i>loewii</i> (Then, 1886)	50
<i>limitata limitata</i> (Fieber, 1848)	21	<i>LONGICAUDUS</i>	55
<i>LIMNEPHILUS</i>	98	<i>longiceps</i> Kellogg and Ferris, 1915	77
<i>LIMNOPORUS</i>	24	(<i>Enderleinellus</i>)	
<i>limosae</i> (Denny, 1842)	81	<i>longiceps</i> Rothschild, 1908	90
<i>limosella</i> Timmermann, 1954	80	(<i>Nycteridopsylla</i>)	
<i>LIMOTETTIX</i>	45	[<i>longicornis</i> (Absolon, 1900)]	4
<i>LIMOTHRIPS</i>	93	[<i>Verhoeffiella</i>]	
<i>LINDBERGINA</i>	50	<i>longicornis</i> (Linnaeus, 1758)	97
<i>lineata</i> (Perris, 1857)	41	(<i>Mystacides</i>)	
(<i>Eurysa</i>)		<i>longicornis</i> (Müller, 1776)	8
<i>lineatus</i> Dahlbom, 1851	33	(<i>Pogonognathellus</i>)	
(<i>Nabis</i>)		<i>longicornis</i> (Nitzsch, 1818)	82
<i>lineatus</i> (Linnaeus, 1758)	43	(<i>Bovicola</i>)	
(<i>Neophilaenus</i>)		<i>longipalpa</i> (Fabricius, 1798)	17
<i>lineolatus</i> Brullé, 1832	44	<i>longipennis</i> (Curtis, 1837)	42
(<i>Euscelis</i>)		(<i>Stenocranus</i>)	
<i>lineolatus</i> (Goeze, 1778)	26	<i>longipennis</i> Flor, 1861	28
(<i>Adelphocoris</i>)		(<i>Phytocoris</i>)	
<i>linnaei</i> (Fieber, 1848)	21	<i>longipennis</i> Smithers, 1991	85
<i>LINNAVUORIANA</i>	50	(<i>Dorypteryx</i>)	
<i>LINOGNATHUS</i>	77	<i>longirostris</i> (Signoret, 1882)	64
<i>LINOSIPHON</i>	55	[<i>longispina</i> (Tullberg, 1876)]	8

<i>LORICULA</i>	25	<i>lyriocephalus</i> (Burmeister, 1839)	77
<i>loti</i> (Haliday, 1852)	93	[<i>lyrurus</i> Clay, 1938]	80
(<i>Odontothrips</i>)		<i>maclachlani</i> Kimmins, 1966	95
<i>loti</i> Kaltenbach, 1862	52	<i>macrochaeta</i> Rusek, 1976	13
(<i>Aphis</i>)		<i>MACRODEMA</i>	37
<i>loti</i> (Theobald, 1913)	52	<i>MACROLOPHUS</i>	26
(<i>Acyrtosiphon</i>)		<i>MACROPSIS</i>	47
[<i>lowi</i> Colvée, 1882]	65	<i>MACROSALDULA</i>	24
<i>lucifuga</i> (Rambur, 1842)	86	<i>MACROSIPHONIELLA</i>	55
<i>lucorum</i> (Meyer-Dür, 1843)	26	<i>MACROSIPHUM</i>	
<i>luctuosa</i> (Burmeister, 1839)	19	<i>MACROSTELIS</i>	45
(<i>Caenis</i>)		<i>MACROTYLUS</i>	31
<i>luctuosus</i> Mulsant and Rey, 1866	39	<i>macrura</i> Stephens, 1835	19
(<i>Sehirus</i>)		[<i>maculata</i> Fabricius, 1794]	22
<i>lugubrina</i> (Boheman, 1847)	42	(<i>Notonecta</i>)	
<i>LUNACEPS</i>	80	<i>maculatus</i> (Thunberg, 1815)	74
<i>lunatus</i> Curtis, 1834	99	(<i>Myrmeleotettix</i>)	
<i>lundii</i> (Gmelin, 1790)	38	<i>maculatum</i> Laporte, 1833	40
<i>lumulatum</i> (Charpentier, 1840)	72	(<i>Piesma</i>)	
<i>lurida</i> (Nitzsch, 1818)	79	<i>maculiceps</i> Boheman, 1847	45
(<i>Fulicoffula</i>)		<i>maculicornis</i> (Pictet, 1834)	95
[<i>luridum</i> Nitzsch in Giebel, 1838]	77	<i>MACUSTUS</i>	45
(<i>Trinoton</i>)		<i>maerkelii</i> (Herrich-Schaeffer, 1838)	29
<i>luridus</i> Curtis, 1834	99	<i>magnicornis</i> (Fallén, 1807)	31
(<i>Limnephilus</i>)		<i>major</i> (A. Costa, 1842)	33
<i>luridus</i> (Fabricius, 1775)	39	(<i>Himacerus</i>)	
(<i>Troilus</i>)		<i>major</i> Uhler, 1896	42
<i>lutaria</i> (Linnaeus, 1758)	68	(<i>Aphrophora</i>)	
<i>luteolum</i> (Müller, 1776)	17	<i>major</i> Uzel, 1895	93
<i>lutescens</i> (Burmeister, 1838)	76	(<i>Thrips</i>)	
(<i>Austromenopon</i>)		<i>majus</i> (Kolbe, 1880)	88
<i>lutescens</i> Fabricius, 1793	70	<i>majusculus</i> (Reuter, 1879)	34
(<i>Hemerobius</i>)		<i>makarovi</i> Zachvatkin, 1948	43
<i>LUTRIDIA</i>	82	<i>MALACOCORIS</i>	30
<i>lyali</i> Klockenhoff, 1984	77	<i>mali</i> (Schmidberger, 1836)	67
<i>lychnidis</i> (Linnaeus, 1758)	53	<i>malmgreni</i> (Tullberg, 1876)	15
<i>LYCTOCORIS</i>	34	<i>malvae</i> (Mosley, 1841)	52
<i>LYGOCORIS</i>	27	<i>manicatus</i> Haliday, 1836	92
<i>LYGUS</i>	27	<i>manubrialis</i> (Tullberg, 1869)	9
<i>LYPE</i>	95	<i>MARAVA</i>	16

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>marginalis</i> Reuter, 1883	30	<i>MEGALONOTUS</i>	37
<i>marginata</i> (Burmeister, 1838)	79	<i>MEGALOTHORAX</i>	8
(<i>Brueelia</i>)		<i>MEGAMELODES</i>	41
<i>marginata</i> Koch, 1857	60	<i>MEGAMELUS</i>	41
(<i>Forda</i>)		<i>MEGOPHTHALMUS</i>	48
<i>marginata</i> (Linnaeus, 1761)	96	<i>MEGOURA</i>	55
(<i>Chimarra</i>)		<i>meinertzhageni</i> Timmermann, 1954	79
<i>marginata</i> (Linnaeus, 1767)	18	<i>melanocephalus</i> (Linnaeus, 1767)	32
(<i>Leptophlebia</i>)		<i>melanoneura</i> (Foerster, 1848)	67
<i>marginata</i> (Schoett, 1893)	14	<i>meleagridis</i> (Linnaeus, 1758)	78
(<i>Caprainea</i>)		<i>melis</i> (J. C. Fabricius, 1805)	82
<i>marginatus</i> (Kirschbaum, 1858)	45	(<i>Trichodectes</i>)	
(<i>Streptanus</i>)		<i>melis melis</i> (Walker, 1856)	91
<i>marginatus</i> Linnaeus, 1758	35	(<i>Paraceras</i>)	
(<i>Coreus</i>)		<i>melissae</i> Curtis, 1837	49
<i>marginatus</i> Stephens, 1836	70	<i>melittae</i> Kirby, 1802	92
(<i>Hemerobius</i>)		<i>MENACANTHUS</i>	76
<i>MARISOTOMA</i>	7	[<i>mergiserrati</i> (De Geer, 1778)]	78
[<i>maritima</i> Bagnall, 1941]	4	<i>merguli</i> (Denny, 1842)	81
(<i>Pseudosinella</i>)		<i>meridionalis</i> Ribaga, 1904	86
<i>maritima</i> (Guérin-Ménéville, 1836)	10	<i>meropis</i> (Denny, 1842)	80
(<i>Anurida</i>)		<i>MEROPOECUS</i>	80
<i>maritima</i> (Hille Ris Lambers, 1955)	54	<i>MEROPSIELLA</i>	80
(<i>Dysaphis</i>)		<i>MESAPHORURA</i>	13
<i>maritima</i> Tullberg, 1869	9	[<i>MESOGASTRURA</i>]	9
(<i>Xenylla</i>)		<i>mesomelas</i> (Boheman, 1850)	41
<i>maritima</i> (Tullberg, 1871)	7	<i>MESOPHYLAX</i>	99
(<i>Halisotoma</i>)		<i>MESOPSOCUS</i>	87
<i>maritimus</i> (Leach, 1809)	69	<i>MESOVELIA</i>	23
(<i>Petrobius</i>)		<i>METAPHORURA</i>	13
<i>maritimus</i> Wagner, 1949	27	<i>METATROPIS</i>	36
(<i>Lygus</i>)		<i>METIDIOCERUS</i>	47
<i>marmoratus</i> Curtis, 1834	99	<i>METOPOLOPHIUM</i>	55
<i>maroccana</i> (Melichar, 1907)	49	<i>METRIOPTERA</i>	75
<i>martini</i> Marshall, 1977	101	<i>metrius</i> (Flor, 1861)	46
<i>maurus</i> (Curtis, 1834)	100	<i>METYLOPHORUS</i>	88
<i>MECOMMA</i>	30	<i>meyeri</i> (Pictet, 1841)	83
<i>MECONEMA</i>	75	(<i>Protonemura</i>)	
<i>mediana</i> McLachlan, 1878	96	<i>meyeri</i> (Taschenberg, 1882)	82
<i>MEGALOCOLEUS</i>	31	(<i>Damalinia</i>)	

<i>micans</i> Olivier, 1792	70	<i>minutus</i> (Linnaeus, 1761)	100
MICRANURIDA	10	(<i>Beraeodes</i>)	
<i>microcephalus</i> (Pictet, 1833)	84	<i>mirabilis</i> (Tullberg, 1871)	10
<i>microchaeta</i> Agrell, 1939	5	MIRIS	28
MICROLOPHIUM	55	<i>mirmicoides</i> (O. Costa, 1834)	33
MICROMUS	71	<i>mixta</i> Latreille, 1805	72
MICRONECTA	20	(<i>Aeshna</i>)	
MICRONYCHIURUS	12	<i>mixtus</i> (Fabricius, 1794)	44
<i>microptera</i> (Curtis, 1836)	37	(<i>Allygus</i>)	
MICROPTERNA	100	MJOBERGINIRMUS	80
MICROVELIA	23	MOCUELLUS	46
{ <i>migratoria gallica</i> (Remaudière, 1947)}	74	MOCYDIA	45
{ <i>migratoria migratoria</i> (Linnaeus, 1758)}	74	<i>modularis</i> (Denny, 1842)	80
<i>milleri</i> (Tillyard, 1923)	87	<i>moebiusi</i> Tetens, 1891	87
MINDARUS	61	<i>moesta</i> (Fieber, 1848)	21
<i>minima</i> (Absolon, 1901)	6	MOLANNA	97
(<i>Proisotoma</i>)		<i>mollicula</i> (Boheman, 1845)	48
<i>minima</i> (Signoret, 1869	64	(<i>Emelyanoviana</i>)	
(<i>Carulaspis</i>)		<i>molliculus</i> (Fallén, 1807)	31
<i>minimus</i> Willem, 1900	8	(<i>Megalocoleus</i>)	
(<i>Megalothorax</i>)		<i>mollis</i> (Mulsant and Rey, 1852)	32
<i>minor</i> (Herrich-Schaeffer, 1835)	36	MONALOCORIS	26
(<i>Berytinus</i>)		MONAPHIS	58
<i>minor</i> (Linnaeus, 1758)	16	MONOBELLA	10
(<i>Labia</i>)		[<i>monochaeta</i> Kos, 1942]	7
<i>minor</i> (Lubbock, 1862)	8	[<i>monoculata</i> (Bagnall, 1949)]	5
(<i>Tomocerus</i>)		[<i>montana</i> Kimmins, 1941]	83
<i>minor</i> (Schaeffer, 1896)	5	(<i>Protonemura</i>)	
(<i>Isotomiella</i>)		[<i>montanus</i> Stach, 1947]	7
<i>minuta</i> (O. Fabricius, 1783)	14	(<i>Vertagopus</i>)	
(<i>Dicyrtomina</i>)		<i>montanus montanus</i> (Donovan, 1813)	96
<i>minuta</i> (Tullberg, 1871)	6	(<i>Philopotamus</i>)	
(<i>Proisotoma</i>)		<i>montanus scoticus</i> McLachlan, 1862	96
<i>minutissima minutissima</i> Leach, 1817	22	(<i>Philopotamus</i>)	
<i>minutus</i> (Denis, 1932)	12	<i>montivagus</i> (Meyer-Dur, 1841)	36
(<i>Micronychiurus</i>)		<i>morio</i> Zetterstedt, 1838	24
<i>minutus</i> (Fabricius, 1818)	42	<i>morisoni</i> Priesner, 1928	93
(<i>Stenocranus</i>)		[<i>moselyi</i> Morton, 1929]	83
[<i>minutus</i> (Linnaeus, 1758)]	34	MUCROSOMIA	6
(<i>Orius</i>)		<i>muelleri</i> (Gmelin, 1790)	24

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>MUELLERIANELLA</i>	41	<i>necopinata</i> (Börner, 1939)	57
<i>MUIRODELPHAX</i>	42	<i>NEELUS</i>	8
<i>muliebris</i> McLachlan, 1866	97	<i>neglecta</i> De Lotto, 1969	64
<i>multifasciata</i> (Tullberg, 1871)	3	(<i>Saissetia</i>)	
<i>multilobata</i> Gers and Deharveng, 1985	9	<i>neglectus</i> (Krzywiec, 1966)	58
<i>multipunctata</i> Curtis, 1834	101	(<i>Tuberculatus</i>)	
<i>munda</i> Foerster, 1848	68	<i>NEIDES</i>	35
(<i>Trioza</i>)		<i>nemoralis</i> (Fabricius, 1794)	33
<i>munda</i> McLachlan, 1862	102	<i>nemorum</i> (Linnaeus, 1761)	33
(<i>Rhyacophila</i>)		<i>NEMOURA</i>	83
<i>murinus</i> Folsom, 1896	8	<i>NEMURELLA</i>	84
<i>muscorum</i> (Nicolet, 1842)	3	<i>NEOCRASPEDOLEPTA</i>	67
(<i>Entomobrya</i>)		<i>NEOHAEMATOPINUS</i>	77
<i>muscorum</i> (Templeton, 1835)	10	<i>NEOMYZUS</i>	56
(<i>Neanura</i>)		<i>NEOPHILAENUS</i>	43
<i>muticus</i> (Linnaeus, 1758)	17	<i>NEOTULLBERGIA</i>	13
<i>myricae</i> (Kaltenbach, 1843)	58	<i>NEPA</i>	20
<i>MYRMELEOTETTIX</i>	74	<i>nephrolepidis</i> Davis, 1909	54
<i>MYRSIDEA</i>	77	<i>nerii</i> Bouché, 1833	64
<i>MYSTACIDES</i>	97	<i>nervata</i> (Gillette, 1908)	57
<i>MYZAPHIS</i>	56	<i>nervosa</i> (Curtis, 1834)	98
<i>MYZOCALLIS</i>	58	(<i>Anabolia</i>)	
<i>MYZUS</i>	56	<i>nervosa</i> (Foerster, 1848)	67
<i>NABIS</i>	33	(<i>Craspedolepta</i>)	
<i>najas</i> (De Geer, 1773)	23	<i>nervosus</i> (Fabricius, 1793)	70
(<i>Aquarius</i>)		(<i>Wesmaelius</i>)	
[<i>najas</i> (Hanseemann, 1823)]	72	<i>nervosus</i> (Linnaeus, 1758)	40
(<i>Erythromma</i>)		(<i>Cixius</i>)	
<i>NASONOVIA</i>	56	<i>NEURECLIPSIS</i>	95
<i>nassatus</i> (Fabricius, 1787)	30	<i>NEWSTEADIA</i>	65
<i>NEANURA</i>	10	{ <i>NEZARA</i> }	39
<i>NEARCTAPHIS</i>	56	<i>nicoleti</i> (Lubbock, 1867)	3
<i>nebulosa</i> (Burmeister, 1838)	79	<i>niger</i> (Lubbock, 1868)	14
(<i>Brueelia</i>)		(<i>Sminthurinus</i>)	
[<i>nebulosa</i> (Linnaeus, 1758)]	84	<i>niger</i> (Wolff, 1811)	34
(<i>Taeniopteryx</i>)		(<i>Orius</i>)	
<i>nebulosa</i> (Zetterstedt, 1828)	67	[<i>nigra</i> (Linnaeus, 1758)]	97
(<i>Craspedolepta</i>)		(<i>Mystacides</i>)	
<i>nebulosus</i> (Stephens, 1836)	88	<i>nigra</i> (Olivier, 1811)	83
(<i>Metylophorus</i>)		(<i>Leuctra</i>)	

<i>nigra</i> (Retzius, 1783)	71	<i>notata</i> (Rambur, 1842)	97
(<i>Sisyra</i>)		(<i>Oecetis</i>)	
[<i>nigrescens</i> Lucas, 1912]	73	<i>NOTHODELPHAX</i>	42
<i>nigriceps</i> (Zetterstedt, 1840)	99	[<i>NOTIDOBIA</i>]	100
<i>nigricornis</i> (Pictet, 1834)	98	<i>NOTONECTA</i>	22
<i>nigriloba</i> (Edwards, 1924)	49	<i>NOTOSTIRA</i>	29
[<i>nigrina</i> (Fallén, 1807)]	25	<i>notulus</i> (Germar, 1830)	41
<i>nigripes</i> Pictet, 1865	68	<i>NOTUS</i>	48
<i>nigrita</i> (Fallén, 1807)	28	<i>novemlineatus</i> (Tullberg, 1871)	14
<i>nigrolimbatus</i> (Giebel, 1874)	80	<i>numenii</i> (Denny, 1842)	80
<i>nigrolineata nigrolineata</i> (Fieber, 1848)	21	<i>nuptialis</i> Roesler, 1954	87
<i>nigromaculatus</i> (Tullberg, 1872)	14	<i>NYCTERIDOPSYLLA</i>	90
(<i>Sminthurus</i>)		<i>nymphula</i> (Sulzer, 1776)	72
<i>nigromaculata</i> (Lubbock, 1873)	4	<i>NYSIUS</i>	37
<i>nigronervosa</i> (Retzius, 1783)	96	<i>obliqua</i> Thunberg, 1787	22
<i>nigropleurum</i> (Denny, 1842)	76	<i>oblongus</i> (von Heyden, 1837)	58
<i>nigropunctatus</i> (Retzius, 1783)	98	<i>obscuraella</i> (Boheman, 1847)	41
<i>NINETA</i>	70	[<i>obscurus</i> (Burmeister, 1838)]	81
<i>nitidissimus</i> (Herrich-Schäffer, 1835)	47	(<i>Quadriceps</i>)	
<i>nitidulus</i> Fabricius, 1777	70	<i>obscurus</i> (Müller, 1776)	92
(<i>Hemerobius</i>)		(<i>Anaphothrips</i>)	
<i>nitidulus</i> (Fabricius, 1787)	45	<i>obsoleta</i> (Fieber, 1864)	31
(<i>Lamprotettix</i>)		(<i>Asciodema</i>)	
<i>nitidus</i> (Templeton, 1835)	4	<i>obsoleta</i> (Hagen, 1864)	100
<i>nivalis</i> (Carl, 1910)	6	(<i>Agrypnia</i>)	
(<i>Desoria</i>)		<i>obsoleta</i> (Stephens, 1836)	86
<i>nivalis</i> (Linnaeus, 1758)	3	(<i>Enderleinella</i>)	
(<i>Entomobrya</i>)		<i>obsoletus</i> (Kirschbaum, 1858)	44
<i>nobilis nobilis</i> (Rothschild, 1898)	91	(<i>Conosanus</i>)	
<i>nobilis vulgaris</i> Smit, 1955	91	<i>occidentalis</i> (Pergande, 1895)	92
<i>nodosus</i> (Ribaut, 1925)	46	<i>occipitalis</i> (Pictet, 1834)	96
<i>nordmannianae</i> (Eckstein, 1890)	66	<i>occulta</i> (Eaton, 1873)	101
<i>normifer</i> (Grube, 1851)	79	<i>ocellaris</i> (Fallén, 1806)	46
<i>norwegicus</i> (Gmelin, 1790)	27	<i>ocellata</i> (Piaget, 1880)	82
<i>NOSOPSYLLUS</i>	91	<i>ochracea</i> (Curtis, 1825)	97
<i>notabilis</i> (Schaeffer, 1896)	7	(<i>Oecetis</i>)	
<i>notata</i> Curtis, 1837	49	[<i>ochraceus</i> (Nitzsch, 1818)]	76
(<i>Eupteryx</i>)		(<i>Actornithophilus</i>)	
<i>notata</i> Eaton, 1887	18	<i>ochripes</i> Curtis, 1834	100
(<i>Ephemerella</i>)		<i>ochrotrichus</i> Fieber, 1864	30

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>octactenus</i> (Kolenati, 1856)	90	<i>ORTHOTYLUS</i>	30
<i>octopunctata</i> Börner, 1901	4	[<i>ortygometae</i> (Schrank, 1781)]	81
<i>ODONTOCERUM</i>	97	<i>OSMYLUS</i>	71
<i>odontogaster</i> (Zetterstedt, 1828)	24	<i>ossiannilssoni</i> Lindberg, 1954	45
<i>ODONTOTHRIPS</i>	93	<i>OSSIANNILSSONOLA</i>	50
<i>OECETIS</i>	97	<i>ostreaeformis</i> (Curtis, 1843)	64
<i>OECIACUS</i>	34	[<i>OULOCREPIS</i>]	78
<i>OLIGAPHORURA</i>	11	<i>ovalis</i> (Scopoli, 1763)	79
<i>OLIGOTRICHIA</i>	100	<i>OVATUS</i>	56
[<i>olivacea</i> (Tullberg, 1871)]	6	<i>ovis</i> (Schrank, 1781)	82
<i>OMOCESTUS</i>	74	<i>oxyacanthae</i> (Schrank, 1801)	52
<i>ONCODELPHAX</i>	42	<i>OXYETHIRA</i>	101
<i>ONCOPSIS</i>	48	<i>OXYTHRIPS</i>	93
<i>ONYCHIURUS</i>	11	<i>pubulinus</i> (Linnaeus, 1761)	27
<i>opacula</i> (Zetterstedt, 1838)	24	<i>PACHYBRACHIUS</i>	38
<i>ORCHESELLA</i>	4	<i>PACHYOTOMA</i>	7
<i>orchidaceus</i> (Bagnall, 1909)	92	<i>PACHYPAPPA</i>	60
<i>ORCHOPEAS</i>	91	<i>PACHYTOMELLA</i>	29
<i>orientalis</i> Linnaeus, 1758	17	<i>padi</i> (Linnaeus, 1758)	52
<i>ORIUS</i>	34	<i>paganus</i> (Linnaeus, 1767)	71
{ <i>ornata</i> (Linnaeus, 1758)}	39	<i>pagetana</i> Curtis, 1835	100
(<i>Eurydema</i>)		<i>PALAEOPSYLLA</i>	91
<i>ornata</i> (Nicolet, 1842)	14	<i>palliceps</i> Fieber, 1861	32
(<i>Dicyrtomina</i>)		<i>pallicornis</i> (Eaton, 1873)	101
<i>ornata</i> (Theobald, 1927)	62	(<i>Allotrichia</i>)	
(<i>Subsaltusaphis</i>)		<i>pallicornis</i> (Fieber, 1861)	26
<i>ornatus</i> Laing, 1932	56	(<i>Dicyphus</i>)	
(<i>Myzus</i>)		<i>pallida</i> Haliday, 1838	59
<i>ornatus striolatus</i> (Nitzsch in Giebel,		<i>pallidula</i> (Boheman, 1847)	42
1866)	79	<i>pallidus</i> Hille Ris Lambers, 1935	54
(<i>Koeniginirmus</i>)		<i>pallipes</i> (Fabricius, 1781)	98
[<i>ORNITHOBIUS</i>]	80	(<i>Silo</i>)	
<i>ORNITHOPSYLLA</i>	89	<i>pallipes</i> (Fabricius, 1794)	25
<i>ORTHETRUM</i>	73	(<i>Saldula</i>)	
<i>ORTHEZIA</i>	65	<i>PALOMENA</i>	39
<i>ORTHOCEPHALUS</i>	29	[? <i>paludosus</i> Clay, 1962]	76
<i>orthochila</i> (Fieber, 1859)	24	(<i>Actornithophilus</i>)	
<i>ORTHONOTUS</i>	31	<i>paludosus</i> (Flor, 1861)	42
<i>ORTHOPS</i>	28	(<i>Paradelphacodes</i>)	
<i>ORTHOTRICHIA</i>	102	<i>palustre</i> Hille Ris Lambers, 1947	53

(<i>Aulacorthum</i>)		(<i>Hyadaphis</i>)	
<i>palustris</i> (Müller, 1776)	7	<i>passerinii</i> (Signoret, 1875)	61
(<i>Isotomurus</i>)		(<i>Phloeomyzus</i>)	
<i>palustris</i> (Douglas, 1874)	25	<i>pastinacae</i> (Linnaeus, 1758)	53
(<i>Saldula</i>)		[<i>pastoris</i> (Denny, 1842)]	82
<i>palustris</i> (Reuter, 1907)	28	<i>patchiae</i> (Börner and Blunck, 1916)	59
(<i>Polymerus</i>)		<i>patellatus</i> (Piaget, 1890)	76
PANORPA	68	<i>pati</i> O'Connor. 1980	99
PANTILIUS	28	<i>patruelis</i> Pearman, 1931	85
<i>panzeri</i> Fieber, 1848	21	<i>pavonis</i> (Linnaeus, 1758)	78
(<i>Corixa</i>)		<i>paykullii</i> (Fallén, 1807)	31
<i>panzeri</i> (Flor, 1861)	46	PEALIUS	51
(<i>Cosmotettix</i>)		PECTINOPYGUS	80
<i>papillata</i> Theobald, 1923	55	<i>pedicularia</i> (Linnaeus, 1758)	87
PARACERAS	91	(<i>Lachesilla</i>)	
PARACLETUS	60	<i>pedicularius</i> (Haliday, 1836)	93
PARACORIXA	21	(<i>Hoplothrips</i>)	
PARADELPHACODES	42	PEDICULUS	78
<i>paradoxus</i> Uzel, 1891	3	<i>pellucida</i> (Fabricius, 1794)	41
[PARLATORIA]	65	(<i>Javesella</i>)	
PARALEPTOPHLEBIA	18	<i>pellucidula</i> (Curtis, 1834)	94
PARALIBURNIA	42	(<i>Hydropsyche</i>)	
<i>parallela</i> (Meyer-Dür, 1843)	29	<i>pellucidus</i> (Retzius, 1783)	98
<i>paraminor</i> Gisin, 1942	5	(<i>Glyphotaelius</i>)	
PARANURA	10	PEMPHIGUS	60
PARAPIESMA	40	<i>penicilliger mustelae</i> (Dale, 1878)	90
PARATULLBERGIA	13	<i>penicula</i> Bagnall, 1939	5
PARISOTOMA	7	<i>pentacantha</i> (Rothschild, 1897)	91
PARTHENOLECANIUM	63	PENTASTIRIDIUS	40
<i>parthenope</i> (Sélys, 1839)	72	PENTATOMA	39
[<i>parumpunctatus</i> Schilling, 1829]	35	<i>peregrina</i> (Foerster, 1848)	67
<i>parviceps</i> Roesler, 1954	87	(<i>Cacopsylla</i>)	
<i>parvula</i> (Boheman, 1845)	49	<i>peregrina</i> Hodkinson, 2007	68
(<i>Arboridia</i>)		(<i>Ctenarytaina</i>)	
<i>parvula</i> (Schaeffer, 1896)	9	[<i>pergandii</i> Comstock, 1881]	65
(<i>Brachystomella</i>)		PERINEUS	80
<i>parvulus</i> (Krausbauer, 1898)	15	PERIPHYLLUS	59
(<i>Sminthurides</i>)		PERIPLANETA	17
<i>pascuellus</i> (Fallén, 1826)	46	PERIPSOCUS	87
<i>passerinii</i> (del Guercio, 1911)	54	PERITRECHUS	38

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>PERLA</i>	84	<i>PHYTOCORIS</i>	28
[<i>perla</i> (Linnaeus, 1758)]	69	<i>picae</i> (Denny, 1842)	80
<i>PERLODES</i>	84	(<i>Philopterus</i>)	
<i>permistus</i> McLachlan, 1895	100	<i>picea</i> (Flor, 1860)	37
<i>perrisi</i> (Mulsant and Rey, 1852)	32	(<i>Lamproplax</i>)	
(<i>Psallus</i>)		<i>picae</i> (Linnaeus, 1758)	77
<i>perrisii perrisii</i> (Signoret, 1875)	65	(<i>Myrsidea</i>)	
(<i>Trionymus</i>)		<i>piceae</i> (Panzer, 1800)	61
<i>persicae</i> (Sulzer, 1776)	56	(<i>Cinara</i>)	
<i>persimilis</i> (Edwards, 1920)	44	<i>piceae</i> (Ratzeburg, 1837)	66
<i>personatum</i> (Spence, 1826)	100	(<i>Adelges</i>)	
(<i>Sericostoma</i>)		<i>piceus</i> (Denny, 1842)	76
<i>personatus</i> (Hagen, 1865)	88	(<i>Actornithophilus</i>)	
(<i>Atlantopsocus</i>)		<i>piceus</i> (Kolbe, 1882)	86
<i>personatus hibernicus</i> Fahy, 1967	88	(<i>Valenzuela</i>)	
(<i>Atlantopsocus</i>)		<i>pivicornis</i> (Fabricius, 1793)	87
<i>perspicillata</i> (Boheman, 1845)	42	(<i>Philotarsus</i>)	
<i>petersi</i> Smithers, 1978	87	<i>pivicornis</i> (Stephens, 1836)	95
<i>PETROBIUS</i>	69	(<i>Holocentropus</i>)	
<i>petterdassi</i> (Fjellberg, 1988)	13	<i>picipes</i> (Zetterstedt, 1828)	93
<i>petterseni</i> Börner, 1901	4	[<i>PICOPHILOPTERUS</i>]	81
<i>phaeopa</i> (Stephens, 1836)	95	<i>PICROMERUS</i>	39
<i>phaeopterus</i> (Stephens, 1836)	87	<i>pictetii</i> Klapálek, 1900	84
<i>phaleratus</i> (Haliday, 1836)	93	<i>PIESMA</i>	40
<i>PHENACOCCUS</i>	65	<i>PIEZODORUS</i>	39
<i>PHILAENUS</i>	43	<i>pilicornis</i> (Hartig, 1841)	61
<i>PHILICHTHYOPHAGA</i>	80	(<i>Cinara</i>)	
<i>phillyreae</i> (Haliday, 1835)	51	<i>pilicornis</i> (Mulsant and Rey, 1852)	37
<i>PHILOPOTAMUS</i>	96	(<i>Drymus</i>)	
<i>PHILOPTERUS</i>	80	<i>pilipennis</i> (Lienhard, 1996)	86
<i>PHILOTARSUS</i>	87	<i>pilosa</i> (Fabricius, 1775)	98
<i>PHLAEOTHRIPS</i>	93	(<i>Goera</i>)	
<i>PHLOEOMYZUS</i>	61	<i>pilosella pilosella</i> (Thomson, 1871)	25
<i>PHOLIDOPTERA</i>	75	<i>pilosum</i> (Scopoli, 1763)	77
<i>PHORODON</i>	56	(<i>Pseudomenopon</i>)	
<i>PHRYGANEA</i>	100	<i>pilosus</i> (Boheman 1852)	26
<i>PHYLLAPHIS</i>	61	(<i>Bothynotus</i>)	
<i>PHYLUS</i>	31	<i>pilosus</i> (Fallén, 1807)	24
<i>physapus</i> Linnaeus, 1758	93	(<i>Chiloxanthus</i>)	
<i>PHYSOKERMES</i>	63	<i>pilosus</i> (Olivier, 1791)	40

<i>(Tachycixius)</i>		<i>PODURA</i>	13
<i>PINALITUS</i>	28	<i>poecilus</i> (Herrich-Schäffer, 1835)	47
<i>pineae</i> (Mordvilko, 1894)	61	<i>POGONOGNATHELLUS</i>	8
<i>pinetella</i> (Zetterstedt, 1828)	32	[<i>politus</i> McLachlan, 1865]	99
<i>pineti</i> (Fabricius, 1781)	61	<i>POLYCENTROPUS</i>	95
<i>PINEUS</i>	66	<i>polygoni</i> Foerster, 1848	66
<i>pini</i> (Burmeister, 1835)	60	<i>POLYMERUS</i>	28
<i>(Prociphilus)</i>		<i>POLYPLAX</i>	77
<i>pini</i> (Linnaeus, 1758)	61	<i>pomi</i> De Geer, 1773	52
<i>(Cinara)</i>		<i>pongei</i> Rusek, 1982	13
<i>pini</i> (Macquart, 1819)	66	<i>poppei poppei</i> Wagner, 1903	91
<i>(Pineus)</i>		<i>populi</i> (del Guercio, 1911)	53
<i>pini</i> Stephens, 1836	70	<i>(Brachycaudus)</i>	
<i>(Hemerobius)</i>		<i>populi</i> (Edwards, 1908)	48
<i>pinihabitans</i> (Mordvilko, 1894)	61	<i>(Kybos)</i>	
<i>PINNASPIS</i>	64	<i>populi</i> (Linnaeus, 1758)	28
<i>pipistrelli</i> Jenyns, 1839	34	<i>(Phytocoris)</i>	
<i>pisivorus</i> (Westwood, 1880)	93	<i>populi</i> (Linnaeus, 1761)	47
<i>pisum</i> (Harris, 1776)	52	<i>(Populicerus)</i>	
<i>PITHANUS</i>	29	<i>POPULICERUS</i>	47
<i>PLAGIOGNATHUS</i>	32	<i>populinigrae</i> (Schränk, 1801)	60
<i>PLANAPHRODES</i>	43	<i>POTAMOPHYLAX</i>	100
<i>planicornis</i> (Pallas, 1772)	30	<i>potentillae</i> (Walker, 1850)	53
<i>PLANOCOCCUS</i>	65	<i>poweri poweri</i> (Douglas and Scott, 1869)	20
<i>plantaginea</i> (Passerini, 1860)	54	<i>praecox</i> (Morton, 1894)	83
<i>plantaginis</i> Goeze, 1778	52	<i>praeusta</i> (<i>praeusta</i> , Fieber 1848)	20
<i>plataleae</i> (Denny, 1842)	79	<i>prasina</i> (Boheman, 1852)	48
<i>platanoidis</i> (Schränk, 1801)	59	<i>(Macropsis)</i>	
<i>PLATYCRANUS</i>	31	<i>prasina</i> Linnaeus, 1761	39
<i>platygaster</i> (Denny, 1842)	81	<i>(Palomena)</i>	
<i>PLEA</i>	22	<i>prasinus</i> (Fallén, 1826)	30
<i>PLECTROCNEMLA</i>	95	<i>(Orthotylus)</i>	
<i>PLEOTRICHOPHORUS</i>	56	[<i>prasinus</i> (Reuter, 1891)]	7
<i>PLESIODEMA</i>	32	<i>(Isotomurus)</i>	
<i>PLINTHISUS</i>	38	<i>pratense</i> (Müller, 1764)	72
<i>plusiochaeta</i> Silvestri, 1912	15	[<i>pratensis</i> (Linnaeus, 1758)]	27
<i>poae</i> (Gillette, 1908)	56	<i>(Lygus)</i>	
<i>(Rhopalomyzus)</i>		<i>primulae</i> (Theobald, 1913)	52
<i>poae</i> (Hardy, 1850)	54	<i>principalis</i> Stach, 1945	14
<i>(Cryptaphis)</i>		<i>procampata</i> (Gisin, 1956)	12

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>PROCIPHILUS</i>	60	<i>pteridis</i> (Spinola, 1839)	41
<i>PROCLOEON</i>	17	(<i>Ditropis</i>)	
<i>productus</i> (Axelson, 1906)	5	<i>PTEROCALLIS</i>	58
<i>PROISOTOMA</i>	6	<i>PTEROXANIUM</i>	85
<i>proletella</i> (Linnaeus, 1758)	51	<i>PTHIRUS</i>	77
<i>propinqua</i> (Fieber, 1860)	20	<i>puberulus</i> Horváth, 1887	37
<i>PROTAPHORURA</i>	11	<i>pubescens</i> (Knight, 1931)	32
<i>PROTONEMURA</i>	83	<i>pubis</i> (Linnaeus, 1758)	78
<i>PROTRAMA</i>	61	<i>puella</i> (Linnaeus, 1758)	72
<i>pruinosa</i> (Hartig, 1841)	61	<i>pulchella</i> (Fallén, 1806)	50
<i>pruni</i> (Geoffroy, 1762)	52	(<i>Eurhadina</i>)	
(<i>Hyalopterus</i>)		<i>pulchellum</i> (Vander Linden, 1825)	72
<i>pruni</i> (Scopoli, 1763)	67	(<i>Coenagrion</i>)	
(<i>Cacopsylla</i>)		<i>pulchellus</i> (Curtis, 1833)	41
<i>prunicola</i> (Edwards, 1914)	49	(<i>Delphax</i>)	
<i>prunifex</i> (Theobald, 1927)	53	<i>pulchra</i> (Zetterstedt, 1838)..67	
<i>PSALLODEMA</i>	32	<i>pulchricornis</i> Pictet, 1834	101
<i>PSALLUS</i>	32	<i>PULEX</i>	89
<i>psammae</i> Theobald, 1922	59	<i>pulicaris</i> (Fallén, 1806)	45
<i>PSAMMOTETTIX</i>	46	<i>pullata</i> (Curtis, 1834)	100
<i>PSECTRA</i>	71	<i>pullulus</i> (Boheman, 1852)	42
<i>pselaphiformis</i> Curtis, 1833	25	<i>pullus</i> (Reuter, 1870)	31
<i>PSEUDACAUDELLA</i>	56	<i>pulsatorium</i> (Linnaeus, 1758)	85
<i>PSEUDACHORUTELLA</i>	10	<i>pulvera</i> (Walker, 1848)	55
<i>PSEUDACHORUTES</i>	10	<i>PULVINARIA</i>	63
<i>PSEUDANUROPHORUS</i>	6	<i>pumilio</i> (Charpentier, 1825)	72
<i>PSEUDISOTOMA</i>	7	<i>pumilis</i> (Hagen, 1861)	87
<i>pseudocellaris</i> (Flor, 1861)	46	(<i>Elipsocus</i>)	
<i>pseudocellata</i> (Naglitsch, 1962)	12	<i>pumilis</i> (Krausbauer, 1898)	15
<i>PSEUDOMENOPON</i>	77	(<i>Sphaeridia</i>)	
<i>PSEUDOPSOCUS</i>	87	<i>punctata</i> (Fabricius, 1775)	45
<i>PSEUDOSINELLA</i>	3	(<i>Balclutha</i>)	
<i>psociformis</i> (Curtis, 1834)	70	<i>punctata</i> (Illiger, 1807)	21
<i>PSOCOCERASTIS</i>	88	(<i>Corixa</i>)	
<i>PSYCHOMYIA</i>	95	<i>punctatissima</i> (Bosc, 1792)	75
<i>PSYLLA</i>	67	<i>punctatus</i> (Burmeister, 1838)	79
<i>PSYLLIPSOCUS</i>	85	(<i>Koeniginirmus</i>)	
<i>PSYLLOPSIS</i>	68	<i>punctatus</i> (Linnaeus, 1758)	39
<i>pteridis</i> (Fallén, 1807)	26	(<i>Rhacognathus</i>)	
(<i>Bryocoris</i>)		[<i>punctatus</i> (Zetterstedt, 1838)]	27

(<i>Lygus</i>)		<i>quadrispina</i> (Börner, 1901)	13
<i>punctipennis</i> (Zetterstedt, 1828)	58	<i>quadrituberculata</i>	
<i>punctipes</i> (Germar, 1822)	36	(Kaltenbach, 1843)	57
<i>punctulum</i> (Kirschbaum, 1868)	42	<i>querceus</i> (Kaltenbach, 1843)	58
<i>punctum</i> (Flor, 1861)	46	[<i>quercicola</i> (Bouché, 1851)]	63
<i>purchasi</i> Maskell, 1878	65	<i>quercus</i> (Fabricius, 1777)	50
<i>purpurescens</i> (Lubbock, 1867)	9	(<i>Typhlocyba</i>)	
<i>pusilla</i> (Fabricius, 1781)	95	<i>quercus</i> (Kirschbaum, 1856)	32
(<i>Psychomyia</i>)		(<i>Psallus</i>)	
<i>pusillus</i> (Herrich-Schaeffer, 1835)	34	<i>quercus</i> (Signoret, 1868)	51
(<i>Temnostethus</i>)		(<i>Pealius</i>)	
<i>putoni</i> (Then, 1898)	46	<i>querquedulae</i> (Linnaeus, 1758)	77
PYCNOSCELUS	16	<i>radiatus</i> (Curtis, 1834)	99
<i>pygmaea</i> Börner, 1901	10	<i>radicis</i> (Kaltenbach, 1843)	61
(<i>Micranurida</i>)		[<i>RALLICOLA</i>]	81
<i>pygmaea</i> (Dufour, 1833)	23	<i>ramburii</i> Selys-Longchamps, 1872	85
(<i>Microvelia</i>)		<i>ramicuspis</i> (Gisin, 1953)	13
<i>pygmaeus</i> (Fallén, 1807)	33	<i>ramunculi</i> (Kaltenbach, 1843)	54
(<i>Acompocoris</i>)		<i>ramunculina</i> (Walker, 1852)	57
<i>pygmaeus</i> (Rambur, 1839)	26	<i>rectospinatus</i> Stach, 1922	11
(<i>Macrolophus</i>)		<i>reducta</i> (Hagen, 1868)	95
<i>pygmaeus</i> (Wankel, 1861)	14	(<i>Lype</i>)	
(<i>Arrhopalites</i>)		<i>reducta</i> (McLachlan, 1865)	96
<i>pygmaeus</i> (Zetterstedt, 1838)	33	(<i>Adicella</i>)	
(<i>Tytthus</i>)		<i>regalis</i> Canard, 1968	63
<i>pyri</i> (Linnaeus, 1758)	67	<i>remota</i> Foerster, 1848	68
<i>pyricola</i> (Foerster, 1848)	67	<i>repandus</i> Ågren, 1903	14
PYRRHOCORIS	38	<i>resedae</i> (Panzer, 1797)	36
PYRRHOSOMA	72	<i>reticulata</i> (Burmeister, 1835)	23
QUADRACEPS	81	(<i>Microvelia</i>)	
<i>quadratum</i> (Fieber, 1844)	40	<i>reticulata</i> (Fabricius, 1794)	50
<i>quadrifasciatus</i> (Reuter, 1894)	71	(<i>Ulopa</i>)	
<i>quadrimalculata</i> (Latreille, 1794)	88	REUTERELLA	87
(<i>Blaste</i>)		<i>reuteri</i> (McLachlan, 1880)	97
<i>quadrimalculata</i> Linnaeus, 1758	73	(<i>Ylodes</i>)	
(<i>Libellula</i>)		<i>reuteri</i> Saunders, 1876	28
<i>quadrimalculatus</i> (Signoret, 1865)	41	(<i>Phytocoris</i>)	
(<i>Megamelodes</i>)		<i>reyi</i> (Fieber, 1866)	40
<i>quadrinotata</i> (Fabricius, 1794)	44	RHABDOMIRIS	29
<i>quadrioculata</i> (Tullberg, 1871)	5	RHACOGNATHUS	39

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>RHADINOPSYLLA</i>	91	(<i>Lepidocyrtus</i>)	
<i>rhamnicola</i> (Scott, 1876)	67	<i>rubi</i> (Kaltenbach, 1843)	53
<i>rhaphidius</i> (Nitzsch in Giebel, 1866)	78	<i>rubida</i> Börner, 1950	56
<i>rhinanthi</i> (Schouteden, 1903)	54	<i>ruborum</i> (Börner, 1932)	52
<i>RHITHROGENA</i>	18	<i>rubricatus</i> (Fallén, 1807)	28
<i>RHIZOECUS</i>	65	<i>rufescens</i> (Burmeister, 1835)	31
<i>rhodani</i> (Pictet, 1843)	17	(<i>Hallodapus</i>)	
<i>rhombicus</i> (Linnaeus, 1758)	99	<i>rufescens</i> (Herrich-Schaeffer, 1835)	36
<i>RHOPALOMYZUS</i>	56	(<i>Metatropis</i>)	
<i>RHOPALOPYX</i>	45	<i>rufescens</i> Melichar, 1896	48
<i>RHOPALOSIPHONINUS</i>	56	(<i>Kybos</i>)	
<i>RHOPALOSIPHUM</i>	52	<i>ruficeps</i> Thomson, 1871	23
[<i>RHOPALUS</i>]	35	<i>ruficornis</i> (Geoffroy, 1785)	29
<i>RHYACOPHILA</i>	102	<i>rufifrons</i> (Fallén, 1807)	31
<i>RHYTIDODUS</i>	47	<i>rufipennis</i> (Fallén, 1807)	27
<i>ribauti</i> (Ossiannilsson, 1938)	43	<i>rufipes</i> (Linnaeus, 1758)	39
<i>RIBAUTIANA</i>	50	(<i>Pentatoma</i>)	
<i>ribis</i> (Linnaeus, 1758)	54	<i>rufipes</i> (Wolff, 1804)	38
<i>ribisnigri</i> (Mosley, 1841)	56	(<i>Acompus</i>)	
<i>RICINUS</i>	77	<i>rufoscutellatus</i> (Latreille, 1807)	24
<i>RIPERSIELLA</i>	65	<i>rufula</i> Walker, 1849	52
<i>risi</i> (Morton, 1896)	84	<i>rufus</i> (Burmeister, 1838)	79
<i>rivulorum</i> Eaton, 1884	19	(<i>Kelerinirmus</i>)	
<i>roboris</i> (Linnaeus, 1758)	61	<i>rufus</i> Haliday, 1836	92
<i>roeselii</i> (Hagenbach, 1822)	75	(<i>Aptinothrips</i>)	
<i>rosae</i> (Bouché, 1833)	64	<i>rugicollis</i> (Fallén, 1807)	27
(<i>Aulacaspis</i>)		<i>rugosus</i> (Linnaeus, 1758)	33
<i>rosae</i> (Linnaeus, 1758)	49	<i>rugulipennis</i> Poppius, 1911	28
(<i>Edwardsiana</i>)		<i>rumicis</i> Linnaeus, 1758	52
<i>rosae</i> (Linnaeus, 1758)	55	<i>rusticus</i> (Fallén, 1807)	38
(<i>Macrosiphum</i>)		(<i>Stygnocoris</i>)	
<i>rosarum</i> (Kaltenbach, 1843)	56	<i>rusticus</i> Wagner, 1903	90
<i>roseomaculatus roseomaculatus</i>		(<i>Ceratophyllus</i>)	
(De Geer, 1773)	27	<i>rutilans</i> (Kirschbaum, 1868)	47
<i>rostocki</i> Kolbe, 1882	87	<i>ryeii</i> Douglas and Scott, 1865	37
<i>rostrata</i> (Burmeister, 1838)	82	<i>sabuleti</i> (Fallén, 1826)	36
<i>rubeculae</i> (Denny, 1842)	80	<i>sabulicola</i> (Curtis, 1837)	46
[<i>ruber</i> (Linnaeus, 1758)]	26	(<i>Psammotettix</i>)	
(<i>Deraeocoris</i>)		<i>sabulicola</i> Wagner, 1952	42
<i>ruber</i> Schoett, 1902	3	(<i>Kelisia</i>)	

<i>sabulosus</i> (Schilling, 1829)	38	<i>SCHIZAPHIS</i>	52
<i>saccharina</i> Linnaeus, 1758	102	<i>SCHIZOLACHNUS</i>	61
<i>SAEMUNDSSONIA</i>	81	<i>SCHOETTELLA</i>	9
<i>sagittifera</i> Ris, 1897	101	<i>schoetti</i> Axelson, 1903	15
<i>sahlbergi</i> (Fieber, 1848)	21	(<i>Sminthurides</i>)	
<i>SAISSETIA</i>	63	<i>schoetti</i> (Dalla Torre, 1895)	4
<i>SALDA</i>	24	(<i>Ballistura</i>)	
<i>SALDULA</i>	24	<i>schoetti</i> (Lie-Pettersen, 1896)	11
<i>salicellum</i> (Herrich-Schaeffer, 1841)	31	(<i>Oligaphorura</i>)	
<i>saliceti</i> (Foerster, 1848)	67	<i>schreiberi</i> Hille Ris Lambers and	
<i>salicina</i> (Goeze, 1778)	43	Stroyan, 1959	58
<i>salicis</i> (Kirschbaum, 1856)	32	<i>sciuri</i> Jancke, 1932	77
(<i>Psallus</i>)		<i>sciuricola</i> Ferris, 1921	77
<i>salicis</i> (Linnaeus, 1758)	64	<i>sciurorum sciurorum</i> (Schrank, 1803)	90
(<i>Chionaspis</i>)		<i>SCOLOPACEPS</i>	82
<i>salignus</i> (Gmelin, 1790)	61	<i>scolopacisphaeopodis humeralis</i>	
<i>saltator</i> (Hahn, 1835)	29	(Denny, 1842)	81
<i>saltatoria</i> (Linnaeus, 1758)	25	<i>SCOLOPOSTETHUS</i>	37
<i>sambuci</i> Linnaeus, 1758	52	<i>scotica</i> (Carpenter and Evans, 1899)	8
<i>sanborni</i> (Gillette, 1908)	55	(<i>Ceratophysella</i>)	
<i>sanguineum</i> (Müller, 1764)	73	<i>scotica</i> (Curtis, 1835)	24
<i>sarothamni</i> Douglas and Scott, 1865	33	(<i>Macrosaldula</i>)	
<i>saulii</i> Tamanini, 1947	23	<i>scotti</i> (Douglas and Scott, 1868)	22
<i>saundersi saundersi</i> Douglas and Scott, 1869	29	(<i>Sigara</i>)	
(<i>Teratocoris</i>)		<i>scotti</i> Edwards, 1920	48
<i>saundersi</i> (Lubbock, 1862)	14	(<i>Macropsis</i>)	
(<i>Dicyrtomina</i>)		<i>scutellaris</i> (Fabricius, 1794)	26
<i>saxicola</i> (Womersley, 1930)	69	<i>scutellata</i> (Boheman, 1845)	48
<i>saxonica</i> McLachlan, 1884	94	<i>sedi</i> Kaltenbach, 1843	52
<i>scabripennis</i> Edwards, 1915	48	<i>segnis</i> (Schönherr, 1811)	89
<i>scalaris</i> (Piaget, 1880)	79	<i>SEHIRUS</i>	39
(<i>Carduceps</i>)		<i>SEIRA</i>	4
<i>scalaris</i> (Ribaut, 1931)	50	<i>sejuncta</i> (Walker, 1848)	55
(<i>Ribautiana</i>)		<i>selecta</i> (Fieber, 1848)	21
<i>scambus</i> Eaton, 1870	17	[<i>sellatus</i> (Burmeister, 1838)]	80
<i>scanicus</i> (Fallén, 1806)	48	<i>semicolorata</i> (Curtis, 1834)	18
<i>scapelliferus</i> (Gisin, 1955)	5	<i>semistriata</i> (Fieber, 1848)	21
<i>scarabaeoides</i> (Linnaeus, 1758)	40	[<i>senecionis</i> Bagnall, 1932]	93
<i>SCHAEFFERIA</i>	9		
{ <i>SCHISTOCERCA</i> }	74		

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>senilis</i> (Burmeister, 1839)	96	<i>simplex</i> Ris, 1897	101
<i>sensibilis</i> (Tullberg, 1876)	7	(<i>Oxyethira</i>)	
<i>sensillata</i> (Gisin, 1953)	10	<i>simplex simplex</i> Rothschild, 1906	90
<i>septemnotatus</i> (Fallén, 1806)	45	(<i>Ischnopsyllus</i>)	
<i>sequax</i> McLachlan, 1875	100	<i>simulans</i> Mosely, 1920	101
<i>SERICOSTOMA</i>	100	(<i>Hydroptila</i>)	
<i>SERICOTHRIPS</i>	93	<i>simulans</i> Walker, 1853	70
<i>serrata</i> (Burmeister, 1839)	77	(<i>Hemerobius</i>)	
<i>SERRATELLA</i>	19	[<i>SINELLA</i>]	3
[<i>serrilimbus</i> (Burmeister, 1838)]	81	<i>SIPHA</i>	59
<i>serrulatus</i> Haliday, 1838	59	<i>SIPHONURUS</i>	18
<i>seticornis</i> (Fabricius, 1775)	26	<i>SIPHONINUS</i>	51
[<i>setiger</i> Priesner, 1921]	93	<i>SIPHONOPERLA</i>	84
<i>SETODES</i>	97	<i>SISYRA</i>	71
<i>setosus</i> (v. Olfers, 1816)	77	<i>SITOBION</i>	57
<i>setulosa</i> (Passerini, 1860)	60	<i>smaragdula</i> (Stål, 1853)	41
<i>sexmaculata</i> Curtis, 1834	101	(<i>Chloriona</i>)	
(<i>Agraylea</i>)		<i>smaragdulus</i> (Fallén, 1806)	49
<i>sexmaculata</i> (Fallén, 1806)	50	(<i>Kybos</i>)	
(<i>Linnavuoriana</i>)		<i>SMINTHURIDES</i>	15
<i>sexnotatus</i> (Fallén, 1806)	46	<i>SMINTHURINUS</i>	14
<i>sexoculata</i> (Tullberg, 1871)	5	<i>SMINTHURUS</i>	14
<i>sexpunctata</i> Axelson, 1902	10	<i>SMYNTHURODES</i>	60
(<i>Paramura</i>)		<i>socialis</i> (Flor, 1861)	46
<i>sexpunctatum</i> (Linnaeus, 1758)	88	<i>solani</i> (Kaltenbach, 1843)	53
(<i>Trichadenotecnum</i>)		<i>SOLENOPOTES</i>	77
<i>SIALIS</i>	68	<i>solidaginis</i> (Fabricius, 1779)	57
<i>SIGARA</i>	21	<i>SOMATOCHLORA</i>	73
<i>signatipennis</i> (Boheman, 1847)	50	<i>sonchi</i> (Foerster, 1848)	66
<i>signoreti</i> (Fieber, 1859)	36	(<i>Craspedolepta</i>)	
<i>SILO</i>	98	<i>sonchi</i> (Linnaeus, 1767)	57
<i>siltalai</i> Döhler, 1963	94	(<i>Uroleucon</i>)	
<i>simile</i> Eaton, 1870	17	<i>SONRONIUS</i>	46
(<i>Cloeon</i>)		<i>sorbi</i> (Kaltenbach, 1843)	54
<i>similis</i> (Giebel, 1866)	81	(<i>Dysaphis</i>)	
(<i>Quadriceps</i>)		<i>sorbi</i> (Linnaeus, 1758)	67
<i>similis</i> Kirschbaum, 1868	40	(<i>Cacopsylla</i>)	
(<i>Cixius</i>)		<i>sordidus</i> (Zetterstedt, 1828)	45
<i>similis</i> van der Goot, 1915	53	<i>SORHOANUS</i>	46
(<i>Capitophorus</i>)		<i>soricis soricis</i> (Dale, 1878)	91

<i>sotoensis</i> Simon, Ruiz and Martin, 1994	5	<i>statices statices</i> (Haliday, 1836)	93
<i>SPANIONEURA</i>	68	<i>staticis</i> (Theobald, 1923)	57
<i>sparsa</i> Curtis, 1834	101	<i>STATICOBIMUM</i>	57
(<i>Hydroptila</i>)		<i>stellariae</i> Theobald, 1913	55
<i>sparsus</i> Curtis, 1834	99	<i>STENACIDIA</i>	15
(<i>Limnephilus</i>)		<i>STENAPHORURELLA</i>	13
<i>spartiophila</i> (Foerster, 1848)	66	<i>STENIDIOCERUS</i>	47
<i>spatulata</i> Taylor, 1997	68	<i>STENOCRANUS</i>	42
<i>spencei</i> Nasonow, 1893	92	<i>STENODEMA</i>	29
<i>SPEUDOTETTIX</i>	45	<i>STENOPHYLAX</i>	100
<i>SPHAERIDIA</i>	15	<i>STENOPSOCUS</i>	86
[<i>sphagneticolus</i> (Linnaniemi, 1912)]	5	<i>STENOTUS</i>	29
<i>SPILOPSYLLUS</i>	89	<i>STETHOPHYMA</i>	74
<i>spinolae</i> (Meyer-Dür, 1841)	26	<i>stigma</i> Curtis, 1834	99
<i>spinosa</i> Kseneman, 1936	5	(<i>Limnephilus</i>)	
(<i>Folsomia</i>)		<i>stigma</i> Stephens, 1836	70
<i>spinosus</i> (Bagnall, 1949)	12	(<i>Hemerobius</i>)	
(<i>Allonychiurus</i>)		<i>stigmatalis</i> Lewis, 1834	47
<i>spinulosa</i> (Burmeister, 1839)	77	<i>STIROMA</i>	42
(<i>Polyplax</i>)		<i>stramineus</i> (Stål, 1858)	42
<i>spinulosus</i> (Piaget, 1880)	76	<i>strepsilaris</i> (Denny, 1842)	81
(<i>Actornithophilus</i>)		<i>STREPTANUS</i>	45
<i>splendens</i> (Harris, 1780)	71	<i>striata</i> (Linnaeus, 1758)	100
<i>sponsa</i> (Hansemann, 1823)	71	(<i>Oligotricha</i>)	
<i>spumarius</i> (Linnaeus, 1758)	43	<i>striatellus</i> (Fallén, 1826)	41
<i>spyrothecae</i> Passerini, 1860	60	(<i>Laodelphax</i>)	
<i>stachi</i> Bagnall, 1935	12	<i>striatellus striatellus</i> (Fabricius, 1794)	29
<i>stachydearum</i> (Hardy, 1850)	50	(<i>Rhabdomiris</i>)	
<i>stachydis stachydis</i> J. Sahlberg, 1878	26	<i>striatus</i> (Linnaeus, 1758)	28
<i>STAEGERIELLA</i>	57	(<i>Miris</i>)	
[<i>stagnalis</i> (Albarda, 1874)]	95	<i>striatus</i> (Linnaeus, 1758)	46
(<i>Holocentropus</i>)		(<i>Psammotettix</i>)	
<i>stagnalis stagnalis</i> (Leach, 1817)	21	<i>strigilifer</i> (Ossiannilsson, 1941)	49
(<i>Sigara</i>)		[<i>STRIGIPHILUS</i>]	82
<i>stagnorum</i> (Linnaeus, 1758)	23	<i>striola</i> (Fallén, 1806)	45
<i>staphyleae</i> (Koch, 1854)	57	(<i>Limotettix</i>)	
<i>staphylinus</i> Haliday, 1836	93	<i>striolatum</i> (Charpentier, 1840)	73
(<i>Sericothrips</i>)		(<i>Sympetrum</i>)	
<i>staphylinus</i> Westwood, 1842	15	<i>STROGGYLOCEPHALUS</i>	43
(<i>Campodea</i>)		<i>STROPHINGIA</i>	68

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

<i>STRUEBINGIANELLA</i>	42	<i>SYMYDOBIUS</i>	58
<i>sturni</i> (Schränk, 1776)	82	<i>tabaci</i> Lindeman, 1889	93
<i>STURNIDOECUS</i>	82	<i>TACHYCINES</i>	75
<i>STYGNOCORIS</i>	38	<i>TACHYCIXIUS</i>	40
<i>stylifer</i> Trybom, 1894	92	<i>tadornae</i> (Denny, 1842)	78
<i>STYLOPS</i>	92	[<i>TAENIOPTERYX</i>]	84
<i>stysi</i> (Wagner, 1968)	27	<i>TAENIOTHIRIPS</i>	93
<i>styx jordani</i> Smit, 1955	90	<i>TAKECALLIS</i>	
<i>styx styx</i> Rothschild, 1909	90	<i>talpae talpae</i> (Curtis, 1826)	91
<i>subaequalis</i> (Bagnall, 1937)	12	<i>TAPHROPELTUS</i>	37
<i>subambulans</i> Denis, 1935	11	<i>taraxaci</i> (Kaltenbach, 1843)	57
<i>subangulata</i> (J. Sahlberg, 1871)	48	<i>tauricus</i> Schmid, 1964	99
<i>subarmata</i> (Gisin, 1957)	12	<i>TEMNOSTETHUS</i>	33
<i>subcrassus</i> Tullberg, 1871	10	<i>templetoni</i> Bagnall, 1939	6
<i>subfasciatus</i> (Rambur, 1842)	87	<i>tenebricosa</i> Folsom, 1902	3
<i>subfuscus</i> (Fallén, 1806)	45	<i>tenella</i> (Reuter, 1895)	6
<i>submarina</i> Bagnall, 1934	10	(<i>Proisotoma</i>)	
<i>subnebulosus</i> (Stephens, 1836)	70	[<i>tenellum</i> (de Villers, 1789)]	72
<i>subnigra</i> McLachlan, 1865	96	(<i>Ceriagrion</i>)	
<i>subpunctata</i> (Foerster, 1848)	67	<i>tenellus</i> (Fallén, 1807)	30
<i>SUBSALTUSAPHIS</i>	62	(<i>Orthotylus</i>)	
<i>subterranea</i> (Walker, 1852)	53	<i>tenellus</i> (Rambur, 1842)	94
<i>subulata</i> (Linnaeus, 1758)	74	(<i>Ecnomus</i>)	
<i>subuliginata</i> (Gisin, 1956)	12	<i>tenerrima</i> (Herrich-Schäffer, 1834)	50
[<i>subvirei</i> Bonet, 1931]	4	<i>tenuicornis</i> (Axelson, 1903)	7
<i>succinea</i> (Gisin, 1949)	8	(<i>Marisotoma</i>)	
<i>suis</i> (Linnaeus, 1758)	78	<i>tenuicornis</i> (Kirby, 1815)	92
<i>sulcicollis</i> (Stephens, 1836)	83	(<i>Elenchus</i>)	
<i>sulphurea</i> (Müller, 1776)	18	<i>temuisensillata</i> Rusek, 1974	13
(<i>Heptagenia</i>)		<i>TERATOCORIS</i>	29
<i>sulphurella</i> (Zetterstedt, 1828)	44	<i>terminalis</i> Curtis, 1854	71
(<i>Elymana</i>)		[<i>terricola</i> Gisin, 1958]	14
<i>sulphureus</i> (Koch, 1840)	14	<i>testacea</i> (Curtis, 1834)	97
(<i>Deuterosminthurus</i>)		<i>testudinaceus</i> (Ferne, 1852)	59
<i>SUPELLA</i>	17	<i>testudinaria</i> (Geoffroy, 1785)	39
{ <i>supplicans</i> (F. Walker, 1859)}	74	<i>TETRACANTHELLA</i>	6
<i>SUPRAPHORURA</i>	12	<i>TETRANEURA</i>	59
<i>surinamensis</i> (Linnaeus, 1758)	16	<i>TETRAPHLEPS</i>	34
<i>sylvaticus</i> (Fabricius, 1775)	37	<i>tetrarhodum</i> (Walker, 1849)	53
<i>SYMPETRUM</i>	73	<i>TETRIX</i>	74

{TETTIGONIA}	75	<i>tineiformis</i> Curtis, 1834	97
THALASSAPHORURA	12	(<i>Leptocerus</i>)	
<i>thalassinum</i> (De Geer, 1773)	75	<i>tineoides</i> Dalman, 1819	101
<i>thalassophila</i> (Bagnall, 1939)	10	TINGIS	25
(<i>Anurida</i>)		<i>tinnunculi</i> (Linnaeus, 1758)	76
<i>thalassophila</i> Bagnall, 1940	5	TINODES	95
(<i>Folsomia</i>)		<i>tipularius</i> (Linnaeus, 1758)	35
THAMNOTETTIX	45	<i>titei</i> Pearman, 1953	86
THECABIUS	60	TOMOCERUS	8
THELAXES	62	<i>tormentillae</i> Passerini, 1879	52
<i>theobaldi</i> Takahashi, 1930	57	<i>torrentis</i> Kimmins, 1942	18
THERMOBIA	102	<i>torrentium</i> (Pictet, 1841)	84
<i>thermophilus</i> (Axelson, 1900)	5	[? <i>totani</i> (Schrank, 1803)]	76
<i>thomsoni</i> Reuter, 1875	37	TRABECULUS	82
<i>thoracica</i> (Fallén, 1807)	31	<i>traegardhi</i> Ionesco, 1937	15
(<i>Harpocera</i>)		TRAMA	61
<i>thoracicus</i> Schummel, 1832	24	<i>transitorium</i> Berlese, 1908	15
(<i>Gerris</i>)		<i>transversum</i> (Denny, 1842)	76
THRIPS	93	TRAPEZONOTUS	37
THRIPSAPHIS	62	<i>tremulae</i> (Estlund, 1796)	47
<i>thymi</i> (Wolff, 1804)	37	(<i>Tremulicerus</i>)	
THYREOCORIS	39	<i>tremulae</i> Koch, 1854	59
<i>tibialis</i> (Hahn, 1833)	30	(<i>Chaitophorus</i>)	
(<i>Heterocordylus</i>)		<i>tremulae</i> (Linnaeus, 1761)	60
<i>tibialis</i> (Piaget, 1880)	82	(<i>Pachypappa</i>)	
(<i>Bovicola</i>)		TREMULICERUS	47
<i>tibialis</i> Reuter, 1888	34	TRIAENODES	97
(<i>Temnostethus</i>)		TRIALEURODES	51
<i>tigrina</i> Nicolet, 1842	6	<i>tricampata</i> (Gisin, 1956)	12
<i>tigurina</i> Ris, 1894	101	TRICHADENOTECHNUM	88
<i>tiliae</i> (Fallén, 1806)	49	TRICHODECTES	82
(<i>Zygina</i>)		TRICHOLEIOCHITON	102
<i>tiliae</i> (Linnaeus, 1758)	58	TRICHOPSOCUS	88
(<i>Eucallipterus</i>)		<i>tricornis</i> (Schrank, 1801)	25
<i>tiliae</i> (Linnaeus, 1758)	63	<i>triglochinis</i> Theobald, 1926	52
(<i>Eulecanium</i>)		TRIGONIOPHTHALMUS	69
<i>tiliae tiliae</i> (Fabricius, 1777)	28	TRIGONOTYLUS	29
(<i>Phytocoris</i>)		<i>trimaculatus</i> (Curtis, 1834)	95
<i>tineiformis</i> Curtis, 1834	70	[<i>tringae</i> (O. Fabricius, 1780)]	81
(<i>Coniopteryx</i>)		TRINOTON	77

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

TRIONYMUS	65	(Phytocoris)	
TRIOZA	68	ulmi (Linnaeus, 1758)	50
tripolii Laing, 1920	52	(Ribautiana)	
tripunctata (Scopoli, 1763)	84	ulmi (Linnaeus, 1758)	59
tripustulatus (Fabricius, 1781)	27	(Tetraneura)	
trirhodus (Walker, 1849)	55	ulmi (Linnaeus, 1758)	64
tristella Klapálek, 1895	102	(Lepidosaphes)	
tristis (Zetterstedt, 1840)	48	ulmi ulmi (Linnaeus, 1758)	59
tristriatus (Fabricius, 1787)	38	(Eriosoma)	
TROGIUM	85	ulmifoliorum (Haliday, 1836)	93
trogodytes von Heyden, 1837	61	ulmiphagus Wilson and Claridge, 1999	49
TROILUS	39	ULOPA	50
truncata Cassagnau, 1958	10	[ultonica Carpenter, 1911]	4
TUBAPHIS	57	undulata (Sowerby, 1806)	74
TUBERCULATUS	58	unicolor (Pictet, 1834)	95
TUBEROLACHNUS	61	unipunctatus (Müller, 1764)	87
tullbergi Börner, 1903	9	umunguiculata (Tullberg, 1869)	9
(Xenylla)		UROLEUCON	57
[tullbergi (Schaeffer, 1900)]	9	[urticae (Fabricius, 1775)]	36
(Hypogastrura)		(Heterogaster)	
tullbergi Schoett, 1891	10	urticae (Fabricius, 1803)	50
(Anurida)		(Eupteryx)	
tumulorum Perkins, 1918	92	urticae (Linnaeus, 1758)	65
tunicatus (Fabricius, 1781)	28	(Orthezia)	
turdi merulae (Denny, 1842)	80	urticae (Linnaeus, 1758)	68
TURRUTUS	46	(Trioza)	
typhae (Perris, 1857)	36	UTAMPHOROPHORA	57
TYPHLOCERAS	91	utricularia (Passerini, 1856)	60
TYPHLOCYBA	50	vagabundus (Linnaeus, 1758)	35
TYTONIELLA	82	(Empicoris)	
TYTTHUS	32	vagabundus insularis Rothschild, 1906	90
ulicis Curtis, 1836	67	(Ceratophyllus)	
(Livilla)		VALENZUELA	86
ulicis Foerster, 1848	66	validus Uzel, 1895	93
(Aphalara)		vaporariorum (Westwood, 1856)	51
ulicis (Haliday, 1836)	93	varia (Fabricius, 1793)	100
(Odontothrips)		variabilis (Fallén, 1807)	32
ulicis Walker, 1870	52	varians varians (Herrich-Schaeffer, 1841)	32
(Aphis)		variegata (Latreille, 1799)	88
ulmi (Linnaeus, 1758)	28	(Loensia)	

<i>variegatus</i> (Fabricius, 1793)	71	<i>viridinervis</i> (Kirschbaum, 1856)	30
(<i>Micromus</i>)		<i>viridis</i> Bourlet, 1839	7
<i>variolosa</i> (Ratzeburg, 1870)	63	(<i>Isotoma</i>)	
<i>varipes</i> Boheman, 1852	28	<i>viridis</i> Delcourt, 1909	22
<i>varius</i> (Burmeister, 1838)	79	(<i>Notonecta</i>)	
<i>VELIA</i>	23	<i>viridis</i> Douglas and Scott, 1867	29
<i>venosa</i> (Fourcroy, 1785)	43	(<i>Teratocoris</i>)	
(<i>Anaceratagallia</i>)		<i>viridis</i> (Fallén, 1807)	27
<i>venosus</i> (Fabricius, 1775)	18	(<i>Lygocoris</i>)	
(<i>Ecdyonurus</i>)		<i>viridis</i> (Linnaeus, 1758)	44
<i>ventralis</i> (Curtis, 1834)	70	(<i>Cicadella</i>)	
<i>ventricosus</i> (Denny, 1842)	77	<i>viridis</i> (Linnaeus, 1758)	15
<i>venusta</i> (Douglas and Scott, 1869)	21	(<i>Sminthurus</i>)	
[<i>VERHOEFFIELLA</i>]	4	{ <i>viridissima</i> (Linnaeus, 1758)}	75
<i>vernus</i> Curtis, 1834	17	<i>viridula</i> (Fallén, 1806)	48
<i>verrucosa</i> (Gillette, 1917)	62	(<i>Chlorita</i>)	
<i>VERTAGOPUS</i>	7	{ <i>viridula</i> Linnaeus, 1758}	39
<i>VESICULAPHIS</i>	57	(<i>Nezara</i>)	
<i>vespertina</i> (Linnaeus, 1758)	18	<i>viridulus</i> (Linnaeus, 1758)	74
[<i>vestita</i> (Brown, 1923)]	6	(<i>Omocestus</i>)	
<i>viatica</i> (Tullberg, 1872)	9	<i>vitifoliae</i> (Fitch, 1851)	66
<i>viburni</i> Scopoli, 1763	52	<i>vitis</i> (Goethe, 1875)	48
(<i>Aphis</i>)		(<i>Empoasca</i>)	
<i>viburni</i> Signoret, 1873	63	<i>vitis</i> (Linnaeus, 1758)	63
(<i>Lichtensia</i>)		(<i>Pulvinaria</i>)	
<i>viciae</i> Buckton, 1876	55	<i>vitreoradiata</i> (Maskell, 1879)	68
<i>villosa</i> (Fabricius, 1798)	98	<i>vitreus</i> (Fabricius, 1803)	47
(<i>Chaetopteryx</i>)		<i>vitripennis</i> (Flor, 1861)	45
<i>villosa</i> (Geoffroy, 1764)	4	<i>vitripennis hibernica</i> (Le Quesne, 1964)	45
(<i>Orchesella</i>)		<i>vittata</i> (Linnaeus, 1758)	50
<i>violacea</i> (Reuter, 1881)	15	(<i>Eupteryx</i>)	
(<i>Stenacidia</i>)		<i>vittata</i> (Wesmael, 1841)	70
<i>violacea</i> (Tullberg, 1876)	6	(<i>Nineta</i>)	
(<i>Desoria</i>)		<i>vittatus</i> (Fabricius, 1798)	99
<i>virescens</i> (Douglas and Scott, 1865)	31	(<i>Limnephilus</i>)	
<i>virgator</i> (Ribaut, 1933)	49	<i>vittipennis</i> (Sahlberg, 1868)	42
<i>virgo</i> (Linnaeus, 1758)	71	<i>vituli</i> (Linnaeus, 1758)	77
<i>virgula</i> (Herrich-Schaeffer, 1835)	26	<i>vulgaris</i> (Tullberg, 1871)	8
<i>viridana</i> (Cholodkovsky, 1896)	66	[<i>vulgata</i> Linnaeus, 1758]	19
<i>viridigriseus</i> (Edwards, 1924)	46	<i>vulgatissimus</i> Haliday, 1836	93

AN ANNOTATED CHECKLIST OF THE IRISH HEMIPTERA & SMALL ORDERS

(Thrips)		<i>willemi</i> (Bonet, 1930)	9
<i>vulgatissimus</i> (Linnaeus, 1758)	73	<i>WILLEMIA</i>	9
(Gomphus)		<i>WILLOWSIA</i>	4
<i>vulpis</i> (Denny, 1842)	82	<i>wollastoni</i> (Douglas and Scott, 1865)	20
<i>waeneri</i> (Linnaeus, 1758)	95	<i>WORMALDIA</i>	96
<i>wagneri</i> Ossiannilsson, 1953	32	<i>XANTHODELPHAX</i>	42
(Psallus)		<i>xanthoneurus</i> (Fieber, 1869)	46
<i>wagneri</i> Remane, 1955	28	<i>xavieri</i> da Gama, 1959	9
(Lygus)		<i>XENOPSYLLA</i>	89
<i>WAGNERIPTERYX</i>	50	<i>XENYLLA</i>	9
<i>wahlbergi</i> (Boheman, 1845)	48	<i>XENYLLODES</i>	11
<i>wahlgreni</i> Axelson, 1907	6	<i>XYLOCORIS</i>	34
<i>WAHLGRENIELLA</i>	57	<i>YLODES</i>	97
<i>walkeri</i> (Newstead, 1891)	65	<i>ZICRONA</i>	39
<i>wallengreni</i> McLachlan, 1871	98	<i>ZLOTORZYCKELLA</i>	78
<i>waltli</i> (Fieber, 1860)	20	<i>zonatus</i> (Frauenfeld, 1868)	64
<i>waterstoni</i> (Jordon, 1925)	90	<i>ZONOCYBA</i>	50
<i>WERNECKIELLA</i>	82	<i>ZYGINA</i>	49
<i>WESMAELIUS</i>	70		

Grehan Printers, Dublin 2

ISBN 978-0-9550806-7-8